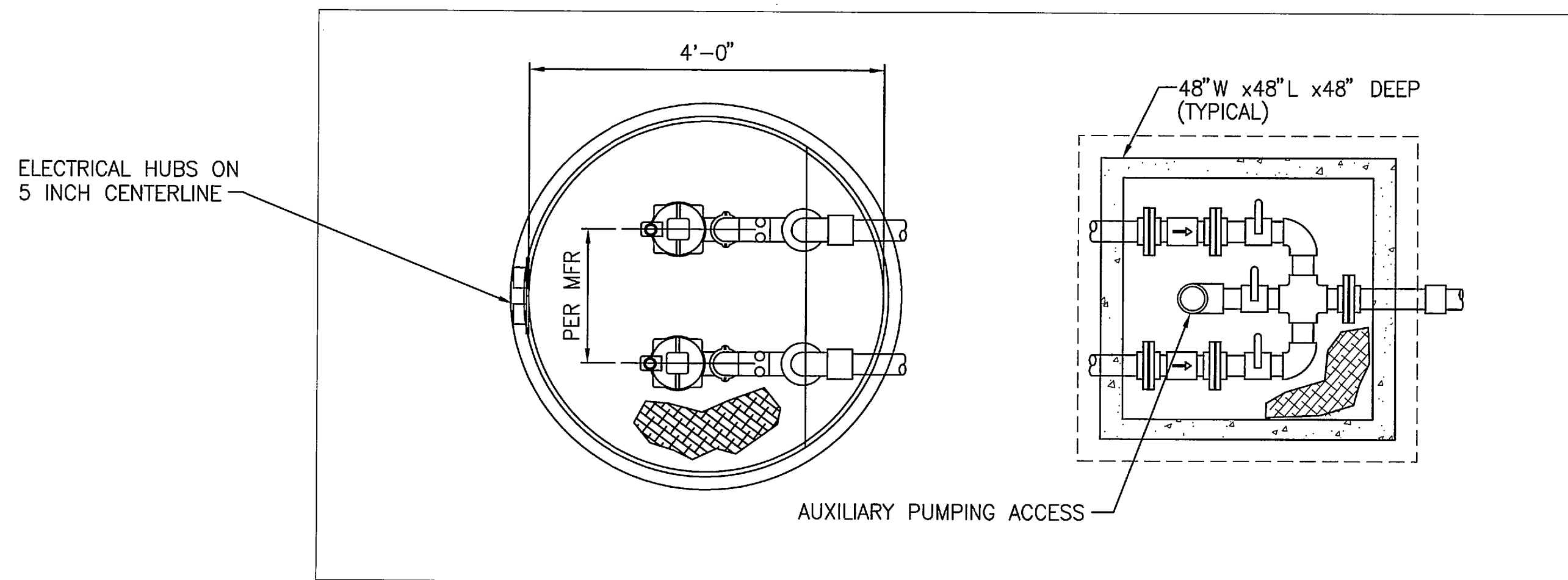


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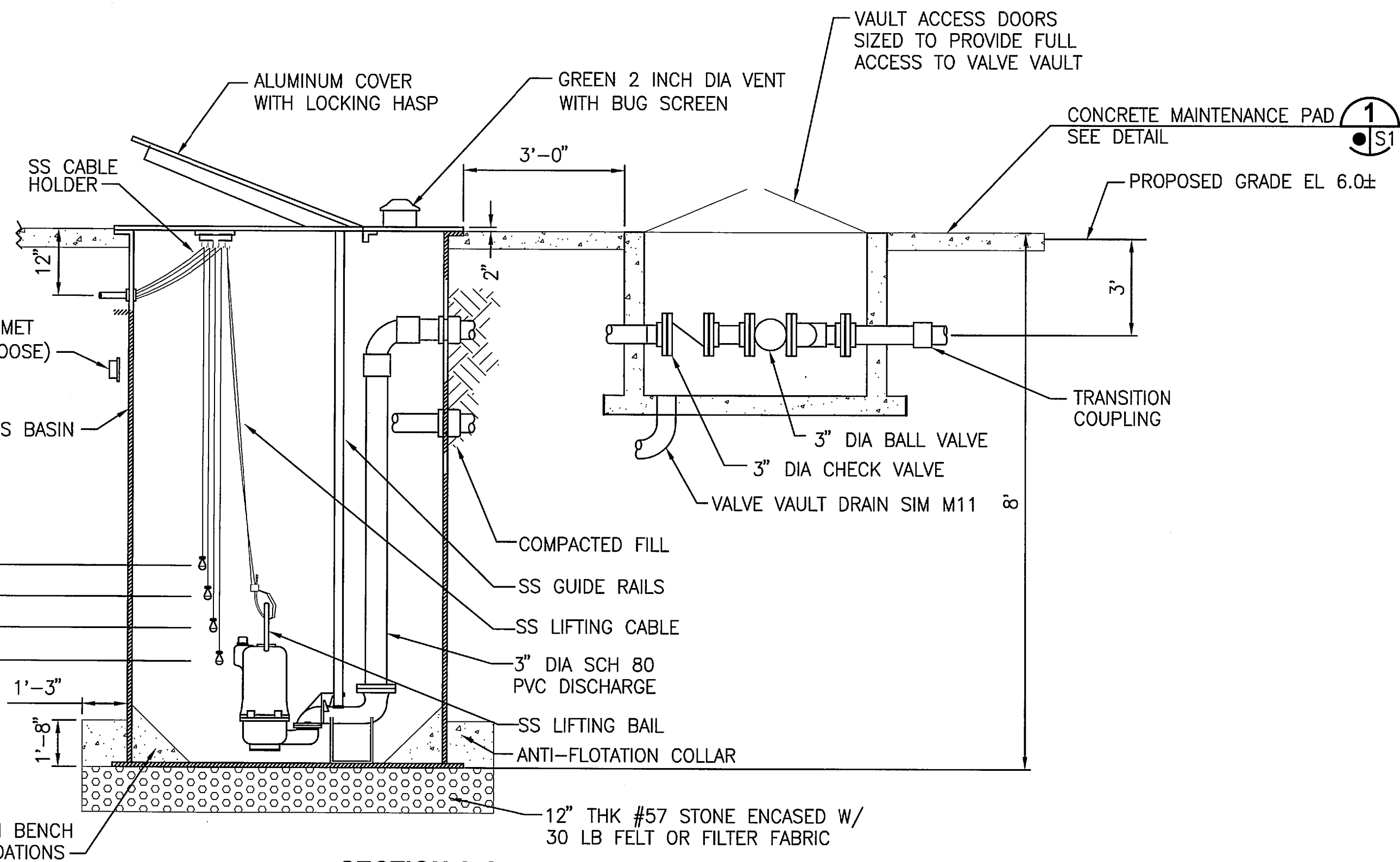
LIFT STATION 9B AREA PLAN

1" = 20'



PLAN

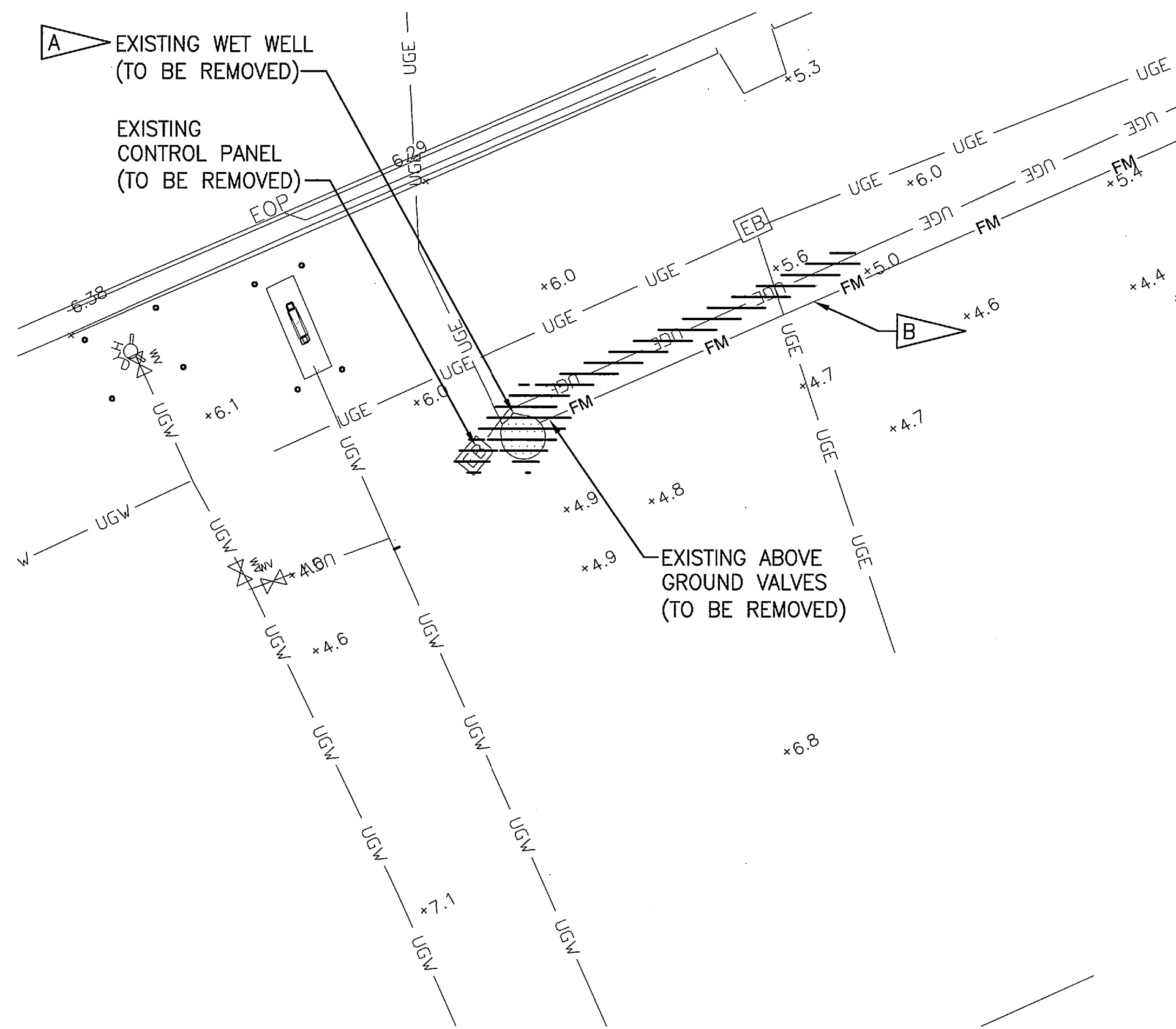
CONCRETE MAINTENANCE PAD
SEE LIFT STATION
DATA TABLE ON M1



SECTION A-A

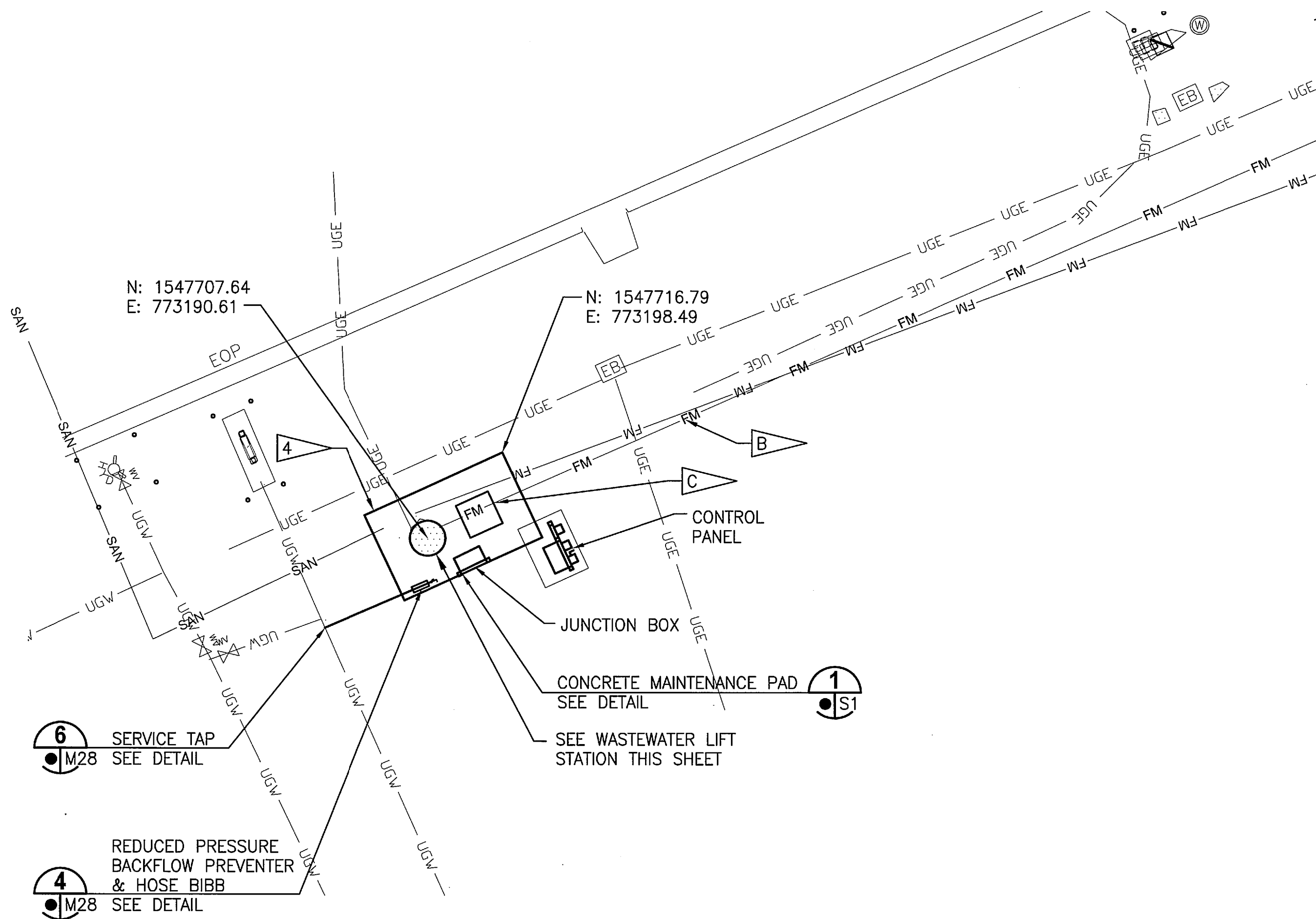
WASTEWATER LIFT STATION DETAIL

NTS



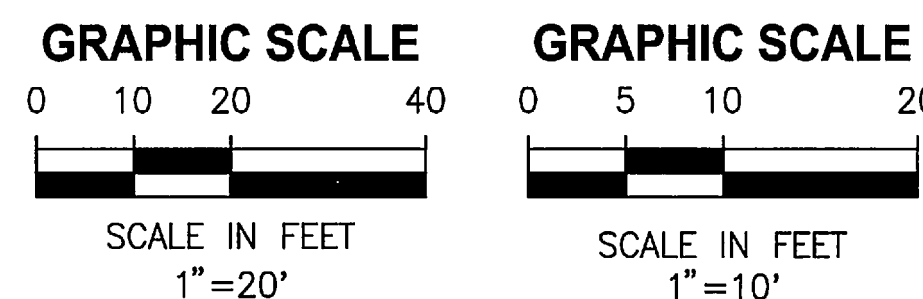
EXISTING CONDITIONS AND DEMOLITION PLAN

1" = 10'



PROPOSED LIFT STATION 9B SITE PLAN

1" = 10'



NOTES

AFTER THE ALTERNATIVE SANITARY FACILITIES ARE IN PLACE:

1. REMOVE AND DISPOSE OF ALL PIPING, EQUIPMENT, FLOATS, CABLES, AND RELATED EQUIPMENT IN THE WETWELLS.
2. REMOVE AND DISPOSE OF ALL LIQUIDS AND SOLIDS IN EXISTING WETWELLS. DISINFECT THE EXISTING WETWELLS AND REMOVE AND DISPOSE OF DISINFECTANT.
3. REMOVE AND DISPOSE OF ALL ABOVE AND BELOW GRADE POWER/CONTROL CABLES AND CONDUITS; CONTROL PANEL, CIRCUIT BREAKER BOX AND POWER POLE; ABOVE GRADE PIPING AND VALVES; THE ENTIRE WETWELL; AND CONCRETE SURFACE PADS. MATERIALS REMOVED IN DEMOLITION SHALL BE DISPOSED OF IN ACCORDANCE WITH THE APPLICABLE NOTES ON DWG EN4.

B FORCE MAIN REPLACED UNDER 79K38877 VOL 3. COORDINATE WORK TO MINIMIZE OUTAGES.

C CONNECT 2" HDPE LIFT STATION DISCHARGE TO REPLACED 2" SST FM AS REQUIRED.

D. THE CONTRACTOR SHALL PROVIDE TEMPORARY RESTROOM FACILITIES FOR (11) PEOPLE AT K7-0569, (2) PEOPLE AT K7-0618, AND (12) PEOPLE AT K7-0617 IN ACCORDANCE WITH ANSI CODE Z4. AT LEAST ONE TEMPORARY RESTROOM AT EACH LOCATION SHALL BE ADA COMPLIANT. TEMPORARY RESTROOM FACILITIES SHALL BE CLEANED AND STOCKED ON A DAILY BASIS. THE LOCATIONS OF THE TEMPORARY RESTROOM FACILITIES ARE TO BE COORDINATED WITH THE CO. THE CONTRACTOR IS TO POST TEMPORARY SIGNAGE FOR PERMANENT RESTROOMS, SHOWERS, WATER FOUNTAINS, AND SINKS IN FACILITIES WITHOUT WASTEWATER SERVICE, INDICATING THAT THOSE FACILITIES ARE OUT OF SERVICE AND DIRECTING PERSONNEL TO THE TEMPORARY RESTROOM FACILITIES.



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A	GENERAL REVISIONS	DATE	APPROVED
SYM	ZONE	DESCRIPTION	

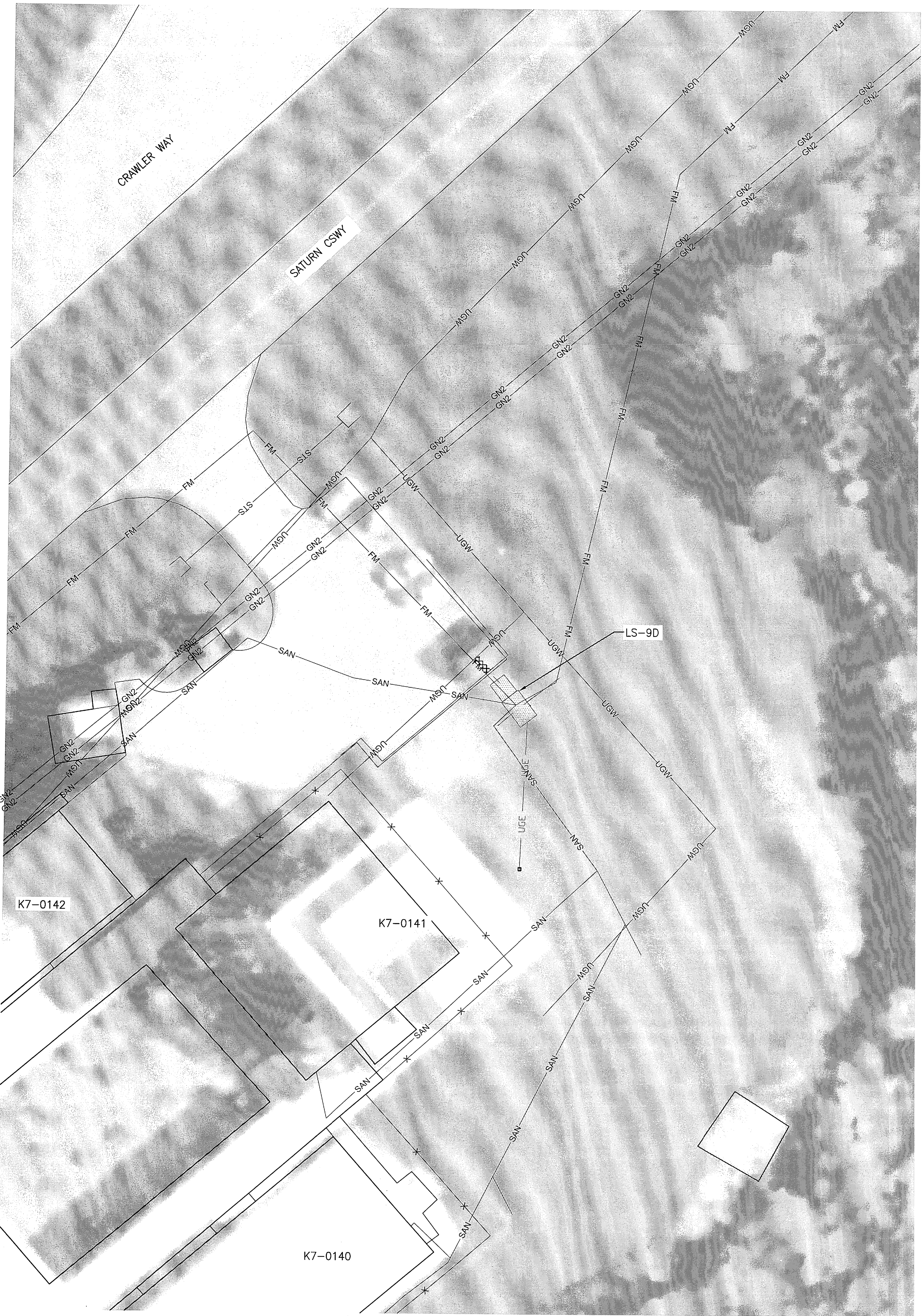
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JONES EDMUNDS

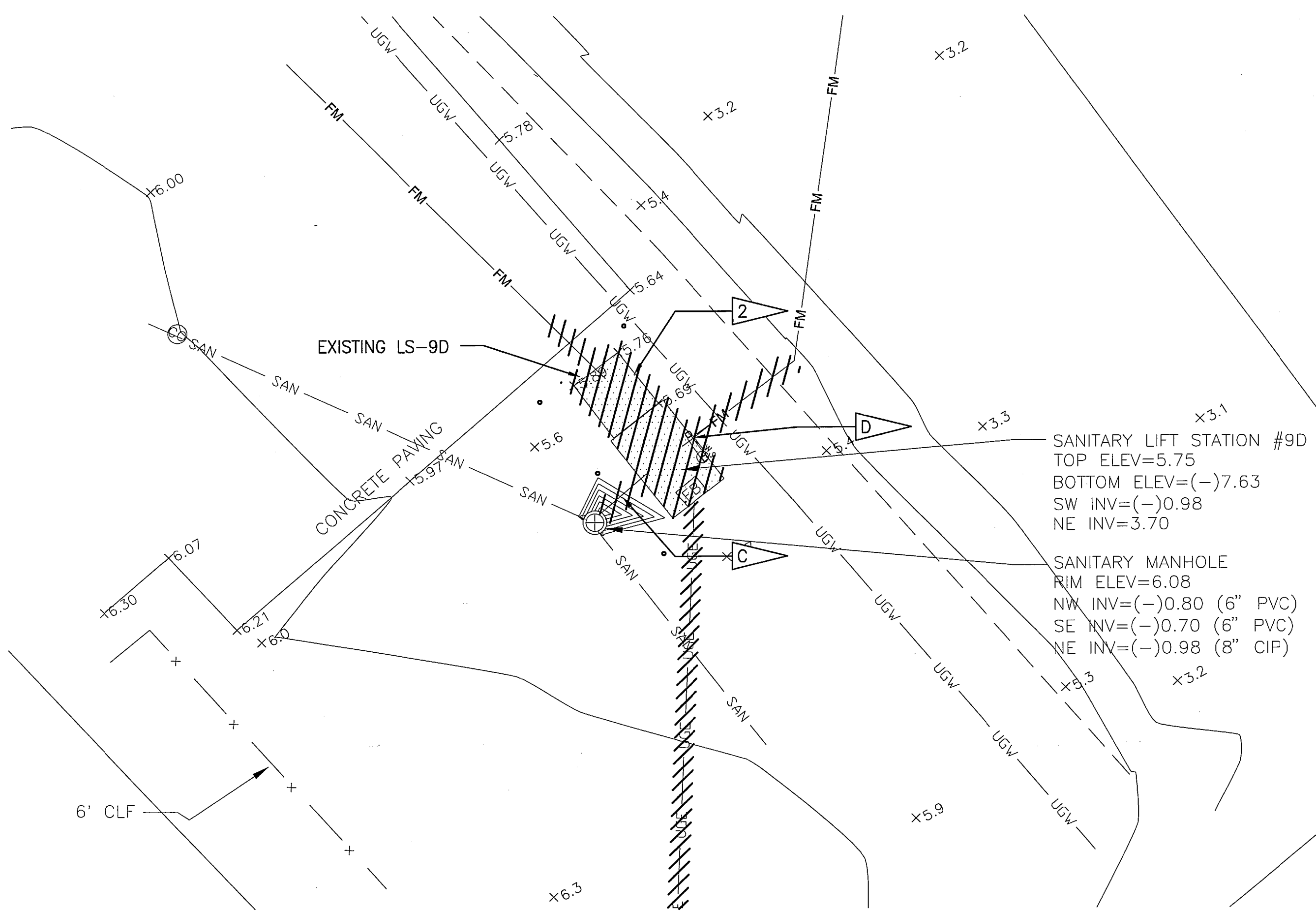
CERTIFICATE OF AUTHORIZATION #1841
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES		DATE	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA			
DRAWN G. O'LEARY		12/05/11	REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS LIFT STATION 9B PLANS AND DETAIL			
CHECKED M. CLARK		12/05/11				
SUBMITTED 		12/05/11				
R. BEST						
ST of LICENSE: FL LICENSE NO: 69875						
APPROVED 		12/05/11				
M. CLARK			FILE NO.	SIZE F	DWG. NO. 79K38877 VOL 2	REV A
K. MILLER		12/5/11	PROJ. NO. 96968.3			SHEET 21

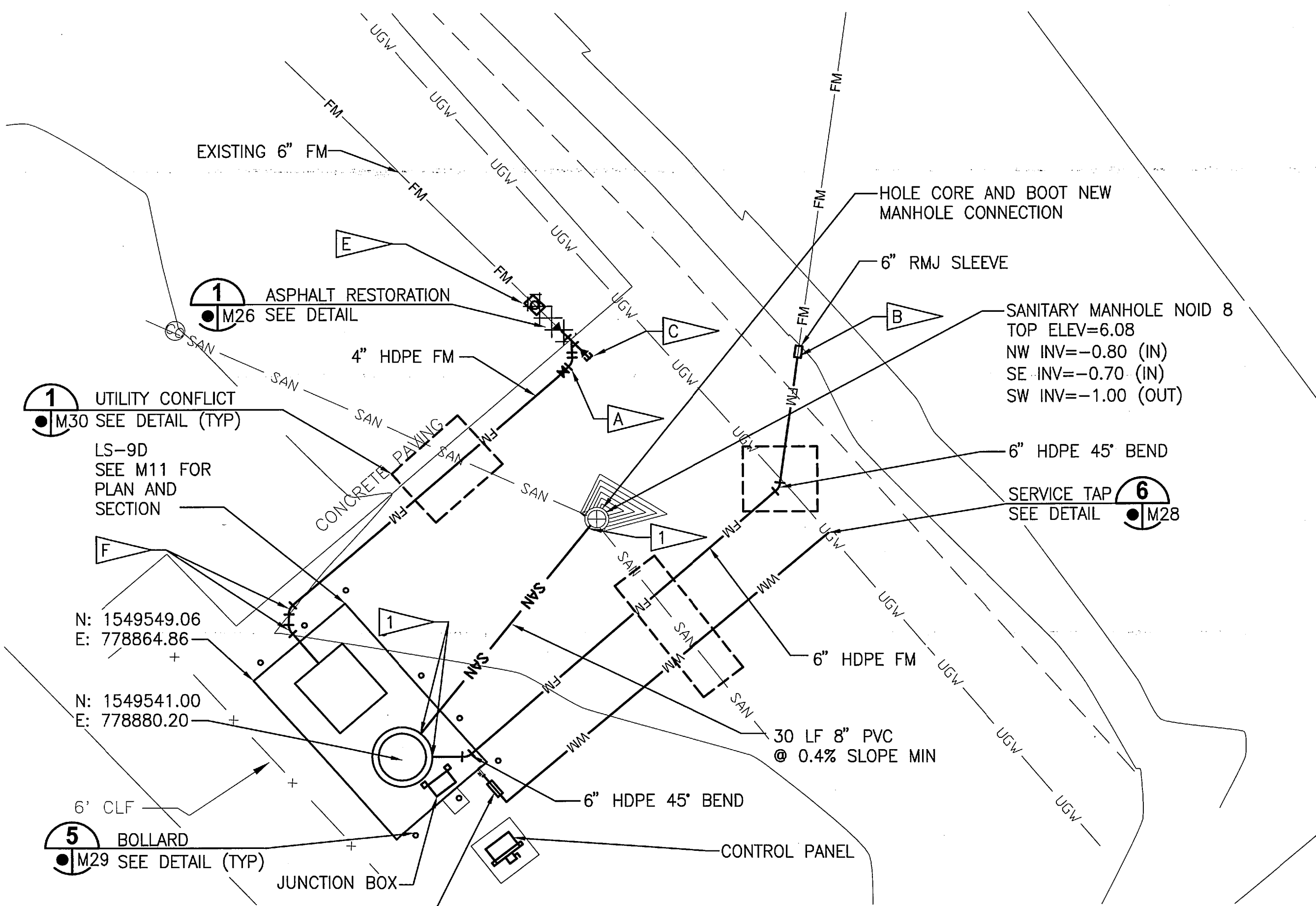
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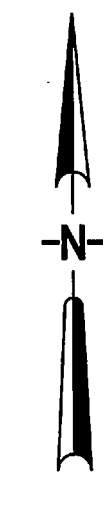
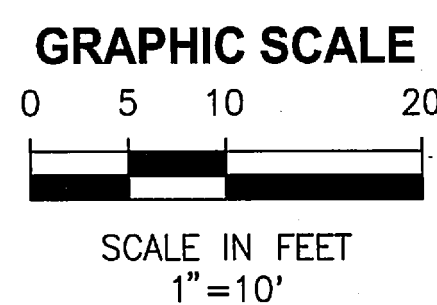
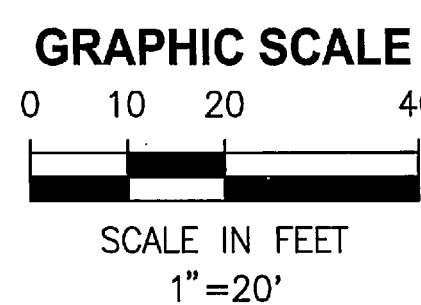
LIFT STATION 9D AREA PLAN
1"=20'



EXISTING CONDITIONS AND DEMOLITION PLAN
1"=10'



LIFT STATION 9D SITE PLAN
1"=10'

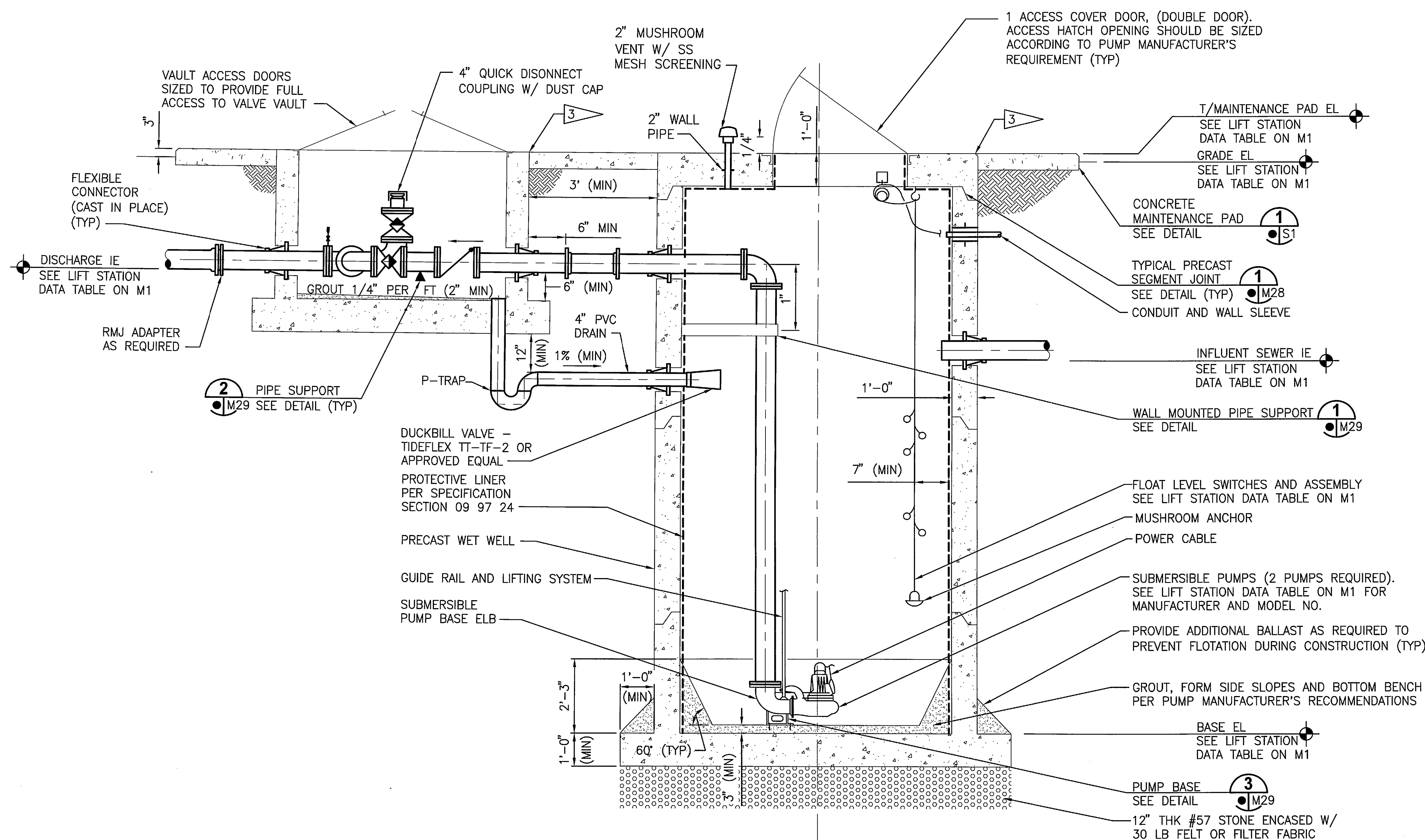
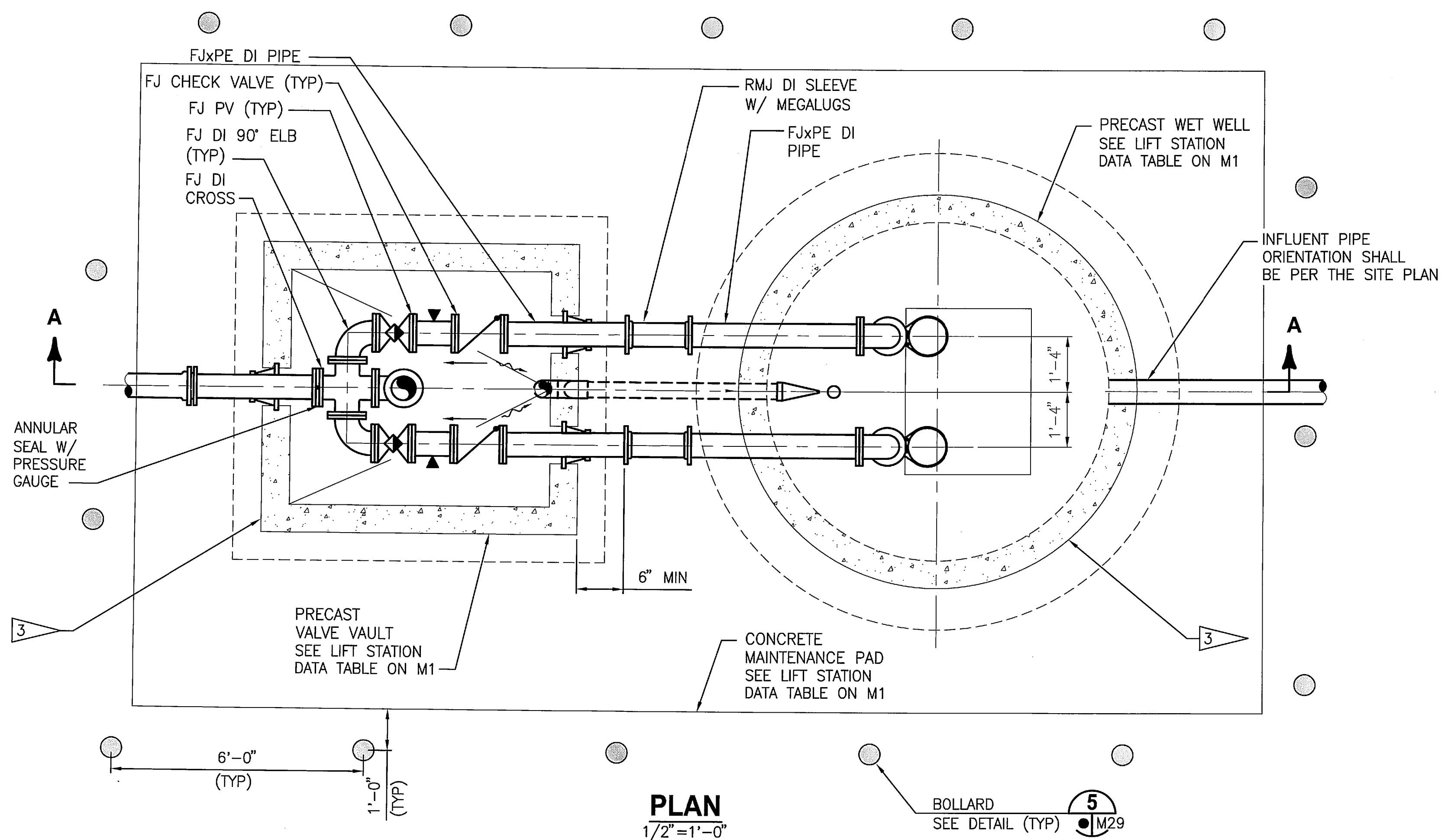


NOTES

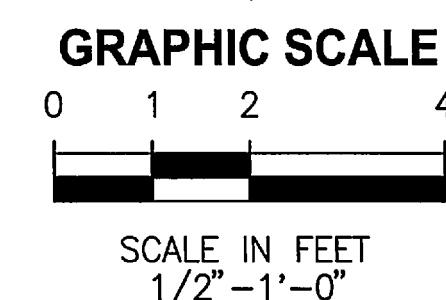
- INSTALL 4" HDPE WYE, 45" HDPE BEND, 4"x6" HDPE REDUCER, AND TRANSITION COUPLINGS.
- REMOVE EXISTING PIPE AS REQUIRED. EXTEND FM TO LIFT STATION. PLUG AND ABANDON PIPE TO EXISTING WETWELL IN PLACE.
- REMOVE EXISTING PIPE AS REQUIRED AND INSTALL A CAP ON THE 4"x6" HDPE REDUCER. PLUG AND ABANDON PIPE FROM EXISTING WETWELL IN PLACE.
- DEMOLISH EXISTING HOSE BIBB. REMOVE EXISTING SERVICE TO WATERMAIN AND PLUG
- INSTALL TEMPORARY 6" LINE STOP.
- INSTALL (2) 4" HDPE 45" BENDS.

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SIGNATURES		DATE	
DRAWN G. O'LEARY		10/31/11	
CHECKED M. CLARK		10/31/11	
SUBMITTED R. BEST		10/31/11	
ST of LICENSURE: FL LICENSE NO: 69875			
APPROVED M. CLARK		10/31/11	
K. MILLER		11/11	
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA			
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS			
LIFT STATION 9D SITE PLANS			
FILE NO.		SIZE F	DWG. NO. 79K38877 VOL 2
PROJ. NO. 96968.3		SHEET 22	

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SECTION A-A
1/2" = 1'-0"

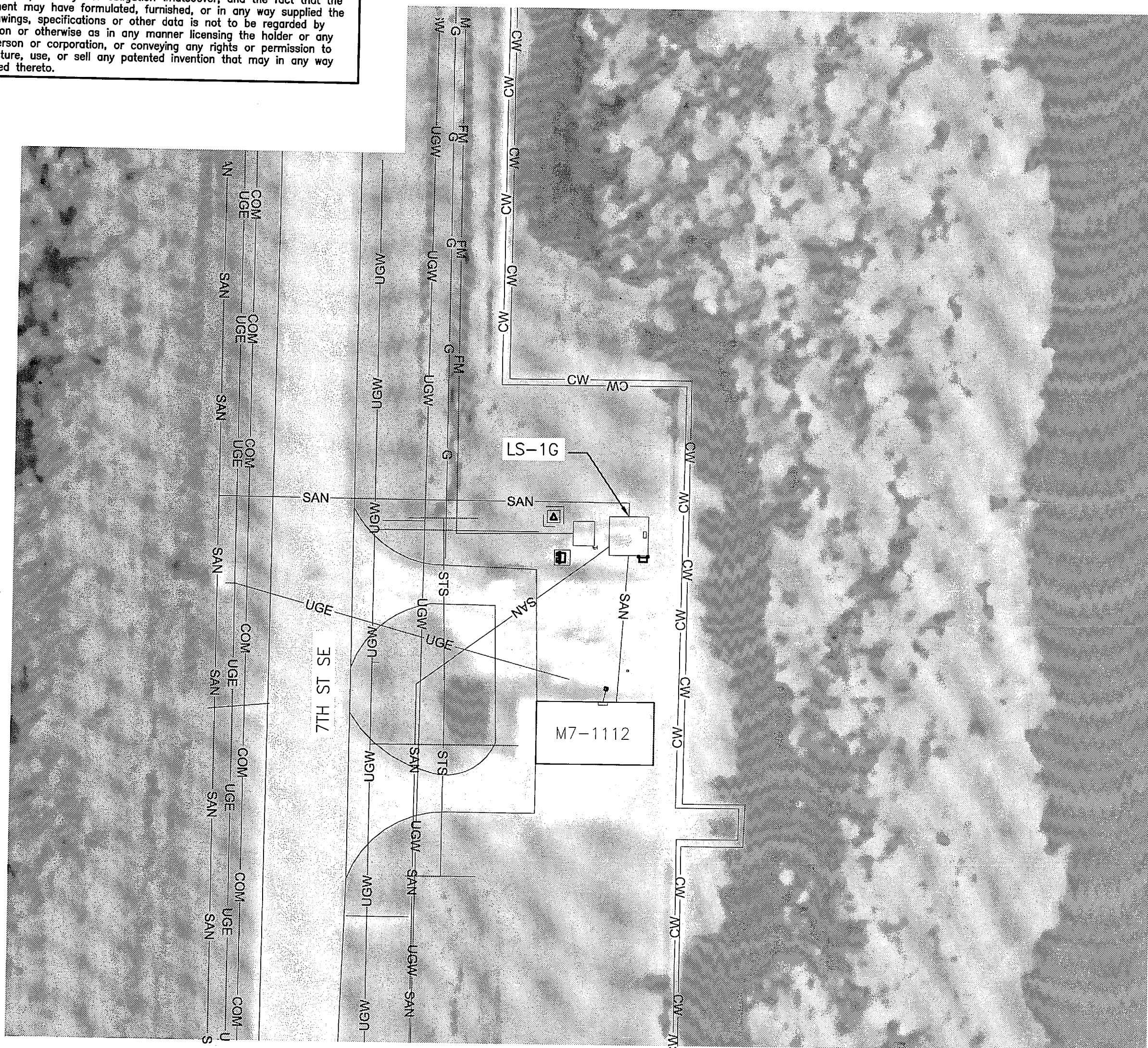


NOTES

- PUMP PLACEMENT SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL VERIFY PUMP MANUFACTURER'S REQUIREMENTS FOR OPENING FOR CAST-IN PLACE ACCESS COVER FRAME. CONTRACTOR SHALL VERIFY PUMP DIMENSIONS FOR OPENING CLEARANCE.
- EXTERIOR OF WET WELL SHALL BE PAINTED WITH COAL TAR EPOXY AS SPECIFIED.
- ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL BE PAINTED PER SPECIFICATIONS.
- PROVIDE SPARK-PROOF CONTACT BETWEEN PUMPS AND GUIDE RAIL SYSTEM.
- SUSPEND FLOAT CABLES FROM 316 SS CABLE W/ EPOXY OR RUBBER COATED CAST IRON MUSHROOM ANCHOR OUT OF INFLUENT FLOW PATH. USE SS CLAMPS TO AFFIX FLOATS SECURELY TO ANCHOR. LOOP 316 SS CABLE THROUGH HOLES IN MUSHROOM ANCHOR TO ENSURE ANCHOR STAYS ATTACHED TO CABLE. USE ALL 316 SS FITTINGS AND HARDWARE (EXCEPT ANCHOR) FOR ASSEMBLY. ASSEMBLY NEEDS TO BE REACHABLE AND REMOVABLE FROM ACCESS COVER DOOR.
- EACH ELECTRIC PUMP CABLE SHALL BE SUPPORTED FROM A SS CABLE RACK VIA A SS KELLUMS CABLE GRIP (OR APPROVED EQUAL).
- LOW ALARM ON / REDUNDANT ALL PUMPS OFF LEVEL TO BE SET SO THAT SUBMERSIBLE PUMP MOTOR IS TOTALLY SUBMERGED.
- SEE LIFT STATION DATA TABLE ON M1 FOR WET WELL AND MAINTENANCE PAD DIMENSIONS.

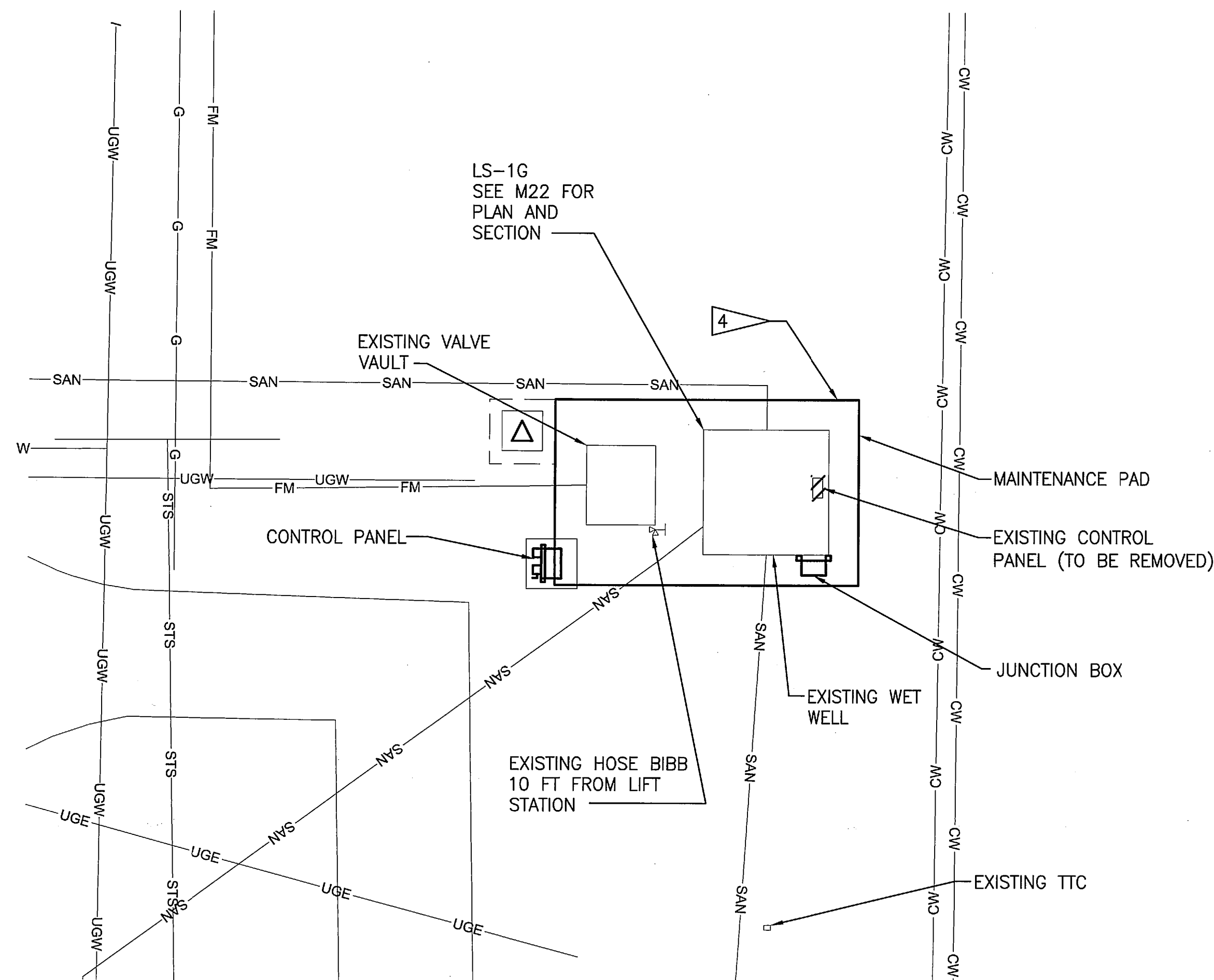
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SIGNATURES		DATE	
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CHECKED M. CLARK		12/05/11	
SUBMITTED R. BEST		12/05/11	
ST of LICENSE: FL LICENSE NO: 69875			
APPROVED K. WILLER		12/05/11	
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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS			
REPLACEMENT LIFT STATIONS PLAN AND SECTION			
FILE NO.	SIZE F	DWG. NO. 79K38877 VOL 2	REV A
PROJ. NO. 96968.3		SHEET 23	

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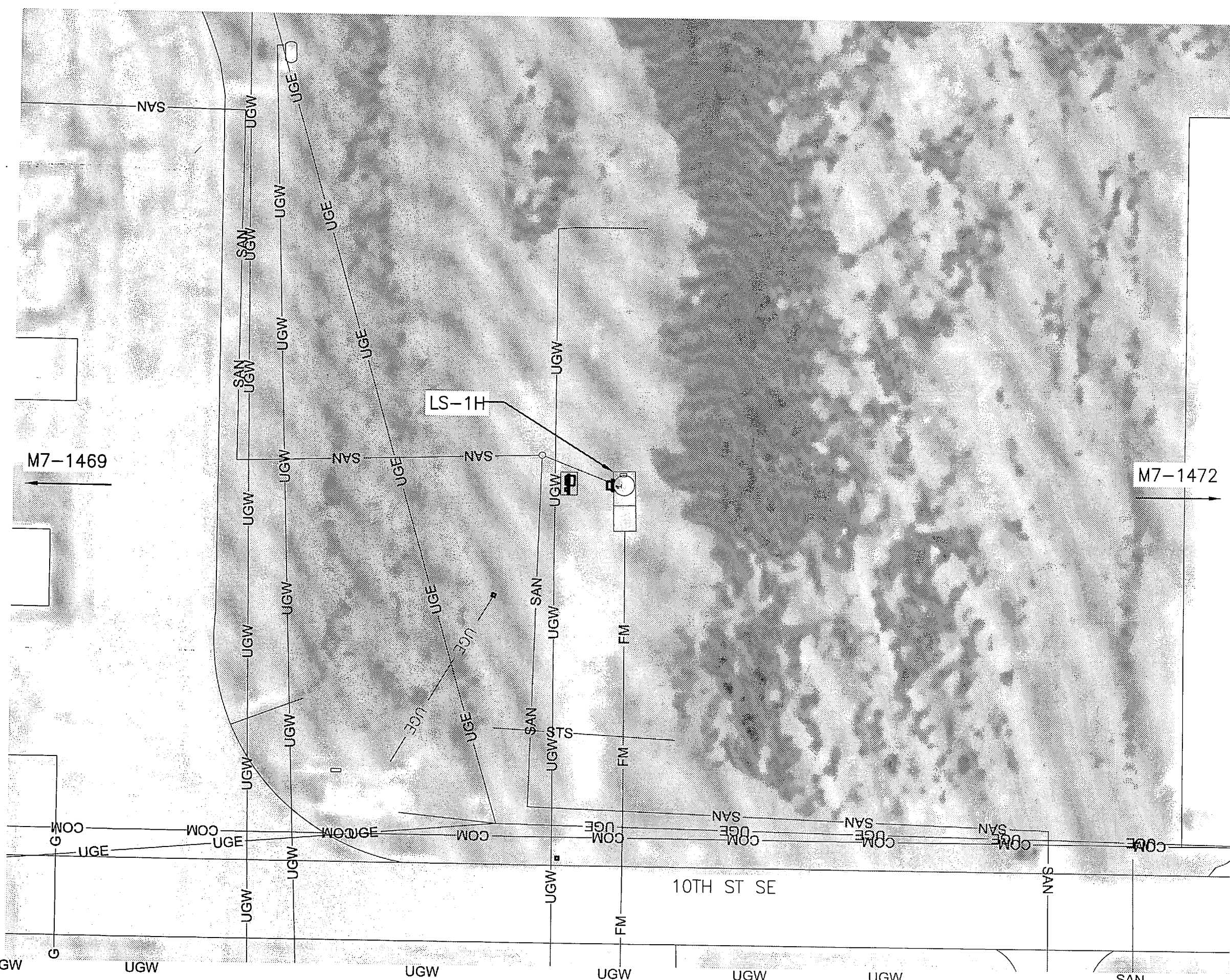
LIFT STATION 1G PLAN

1" = 30'



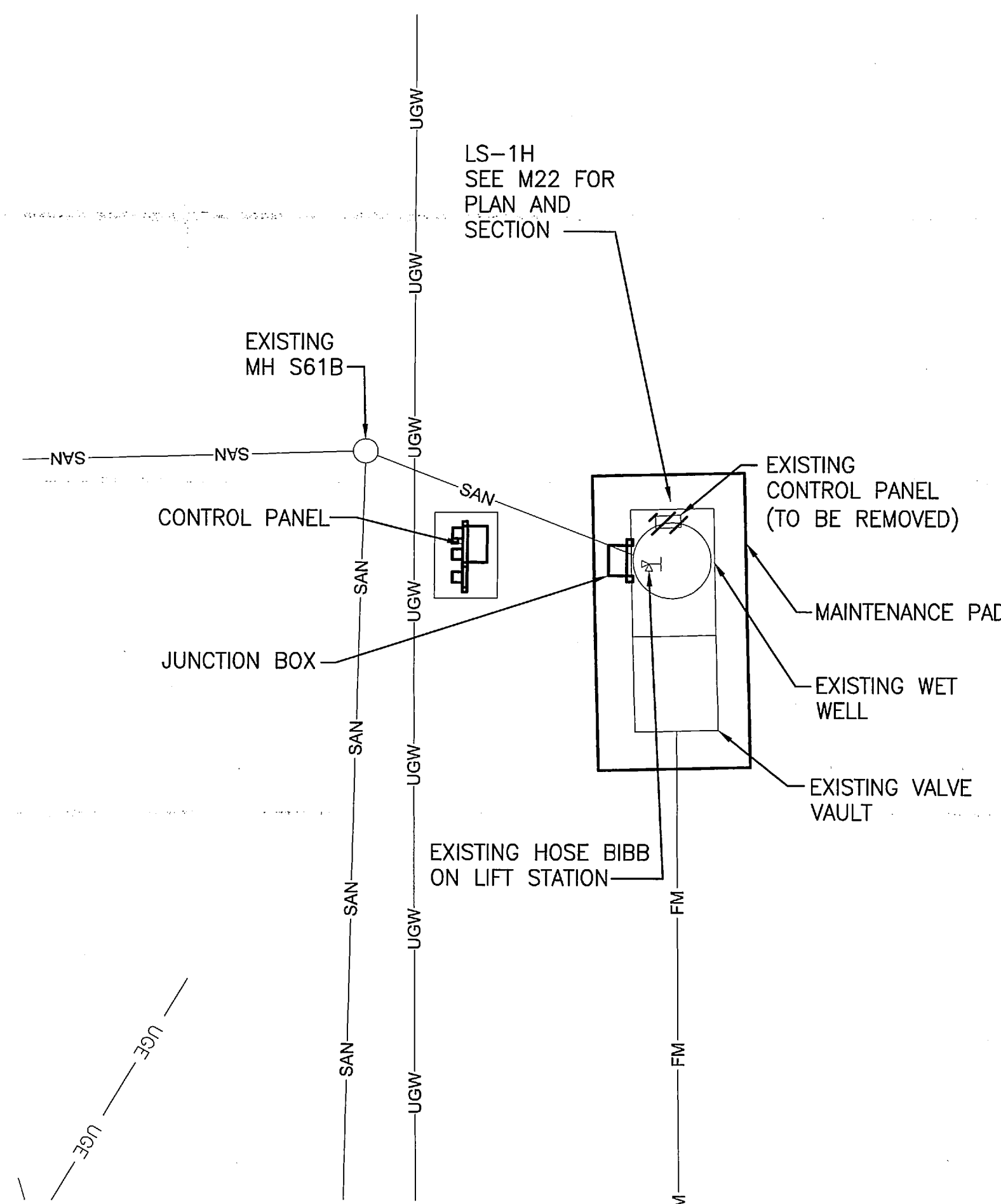
LIFT STATION 1G PLAN

1" = 10'



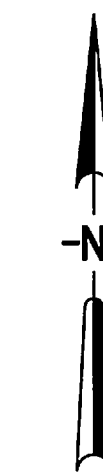
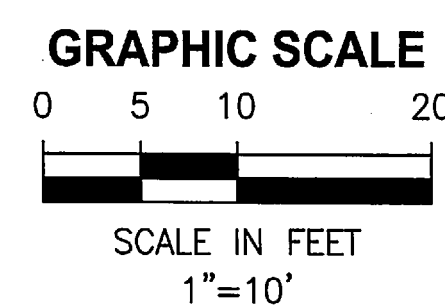
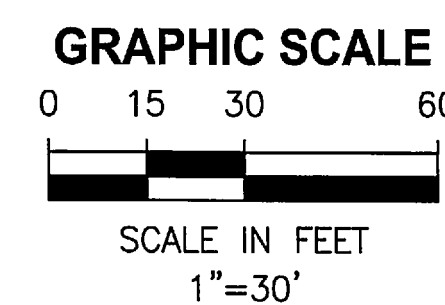
LIFT STATION 1H PLAN

1" = 30'



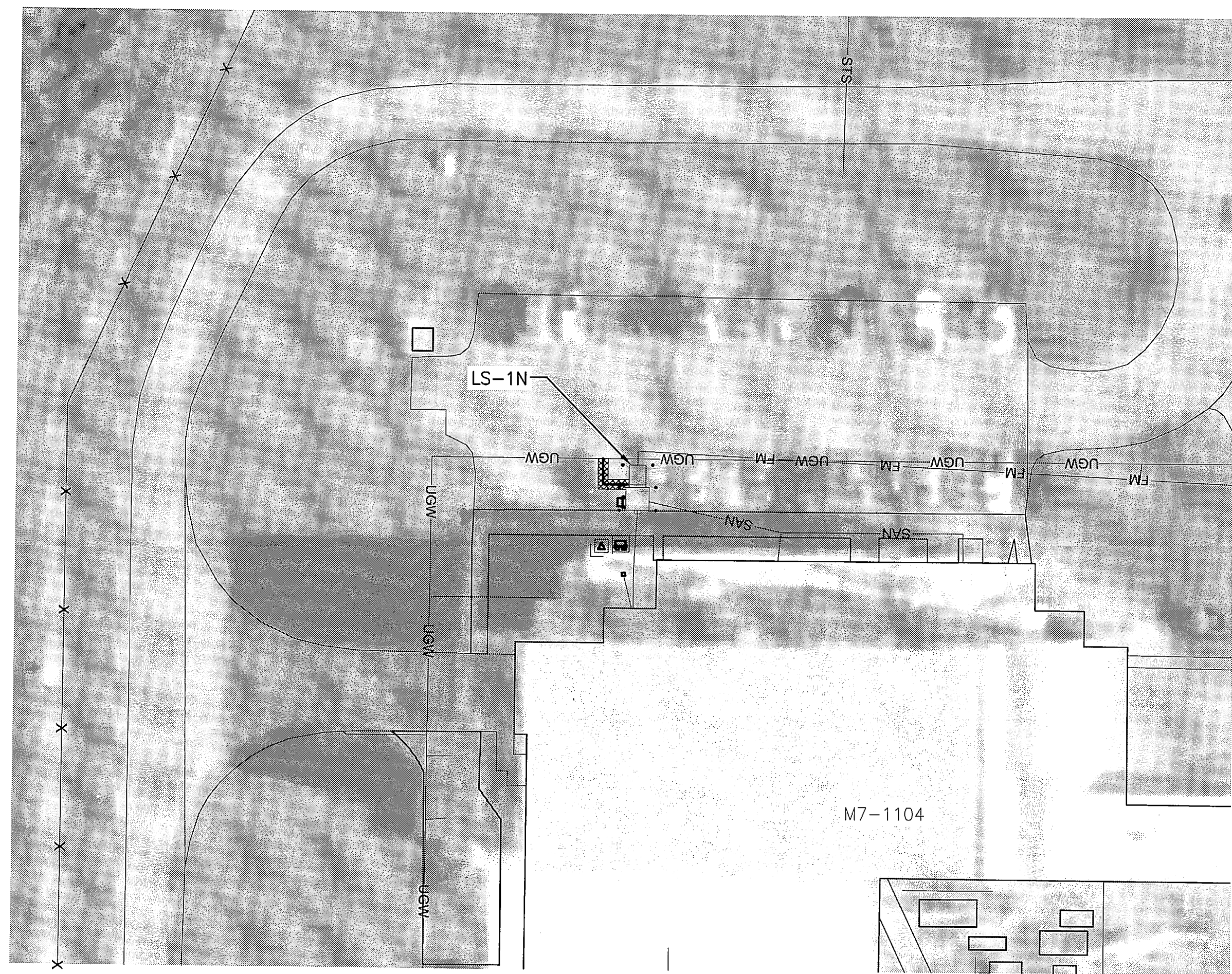
LIFT STATION 1H PLAN

1" = 10'

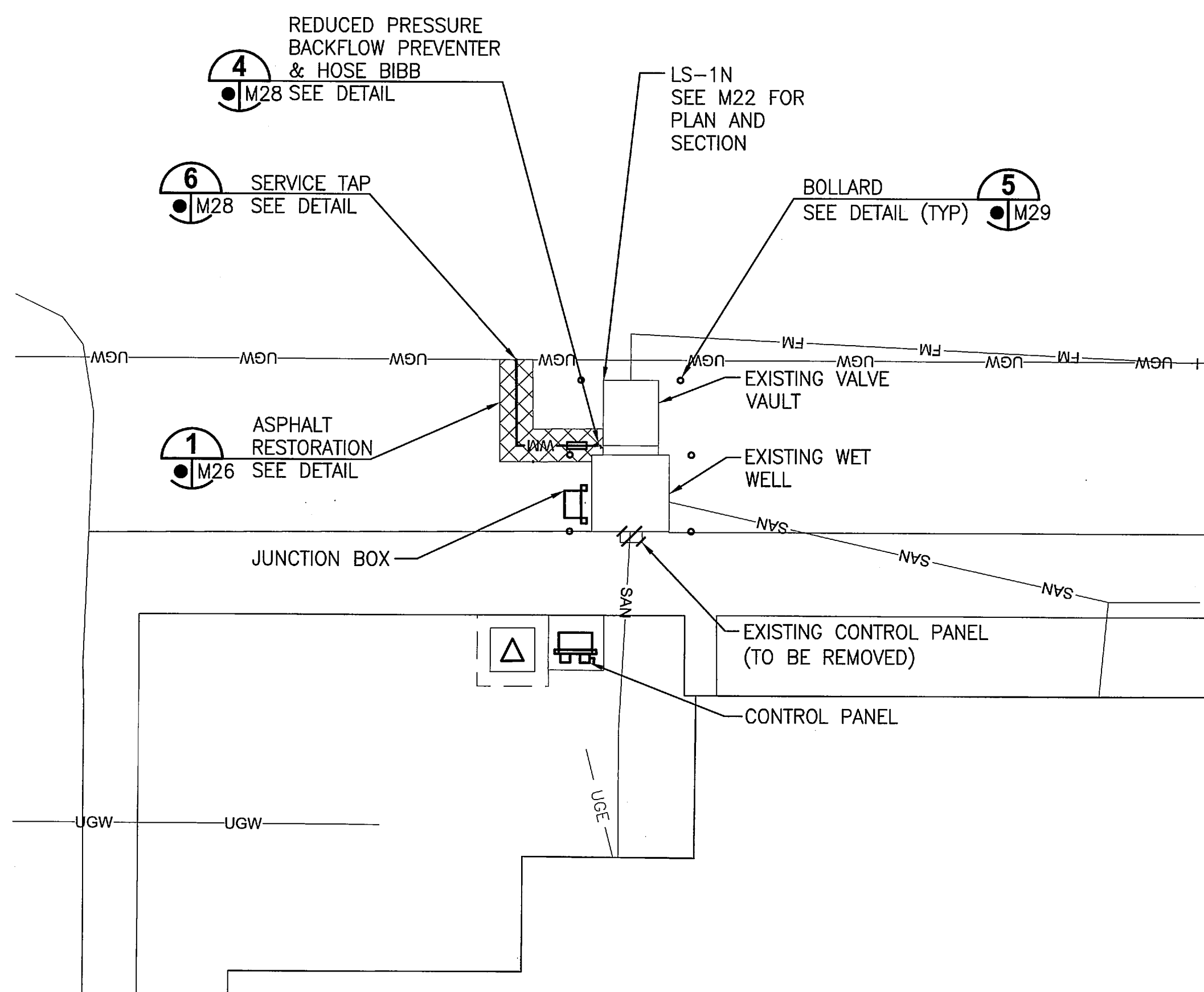


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SIGNATURES	DATE	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA	
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CHECKED M. CLARK	10/31/11	REHABILITATION LIFT STATIONS SITE PLANS	
SUBMITTED R. BEST	10/31/11	FILE NO.	
ST of LICENSURE: FL LICENSE NO: 69875		SIZE DWG. NO. F 79K38877 VOL 2	
APPROVED M. CLARK	10/31/11	REV A	
K. MILLER	11/1/11	PROJ. NO. 96968.3	
M12		SHEET 24	

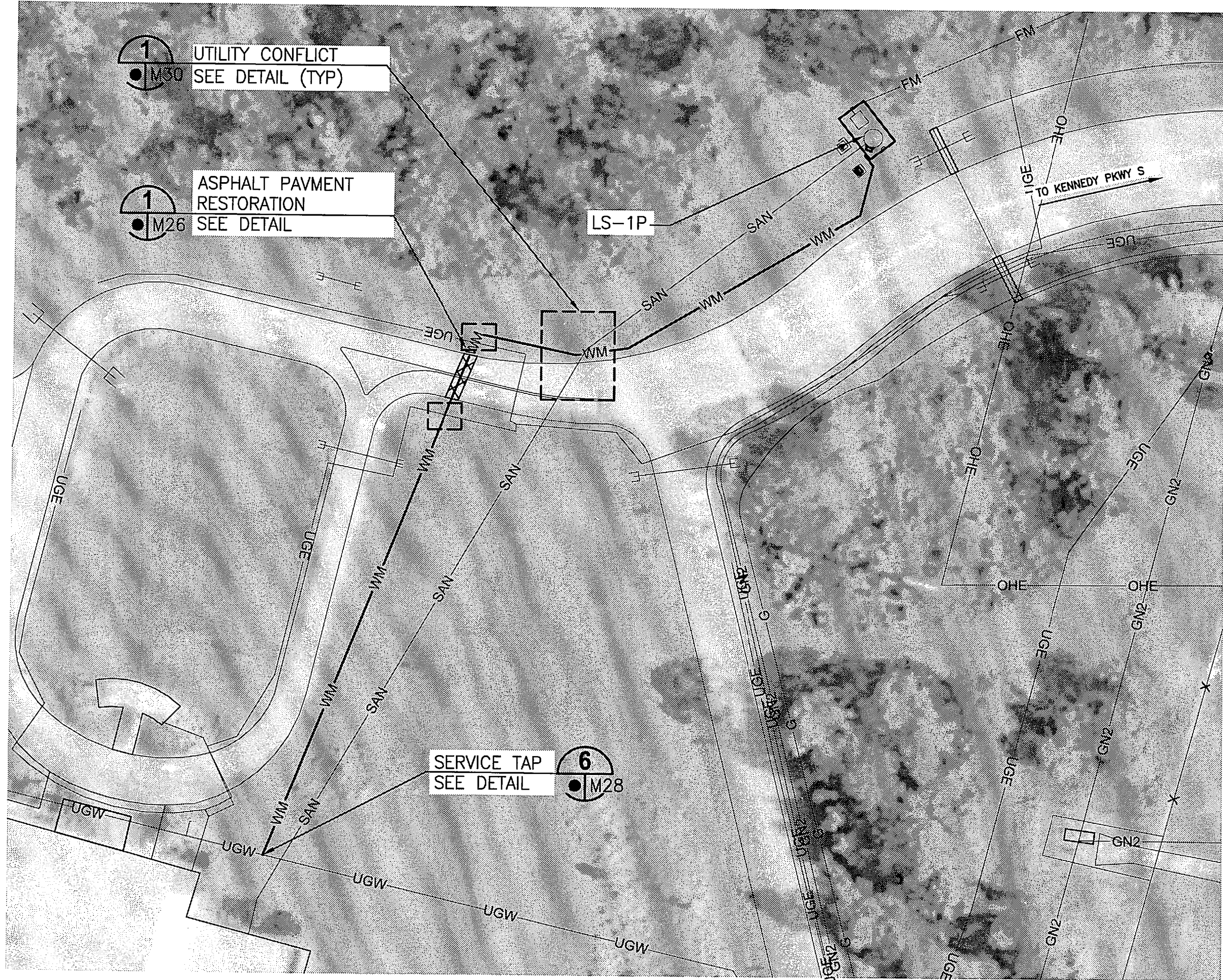
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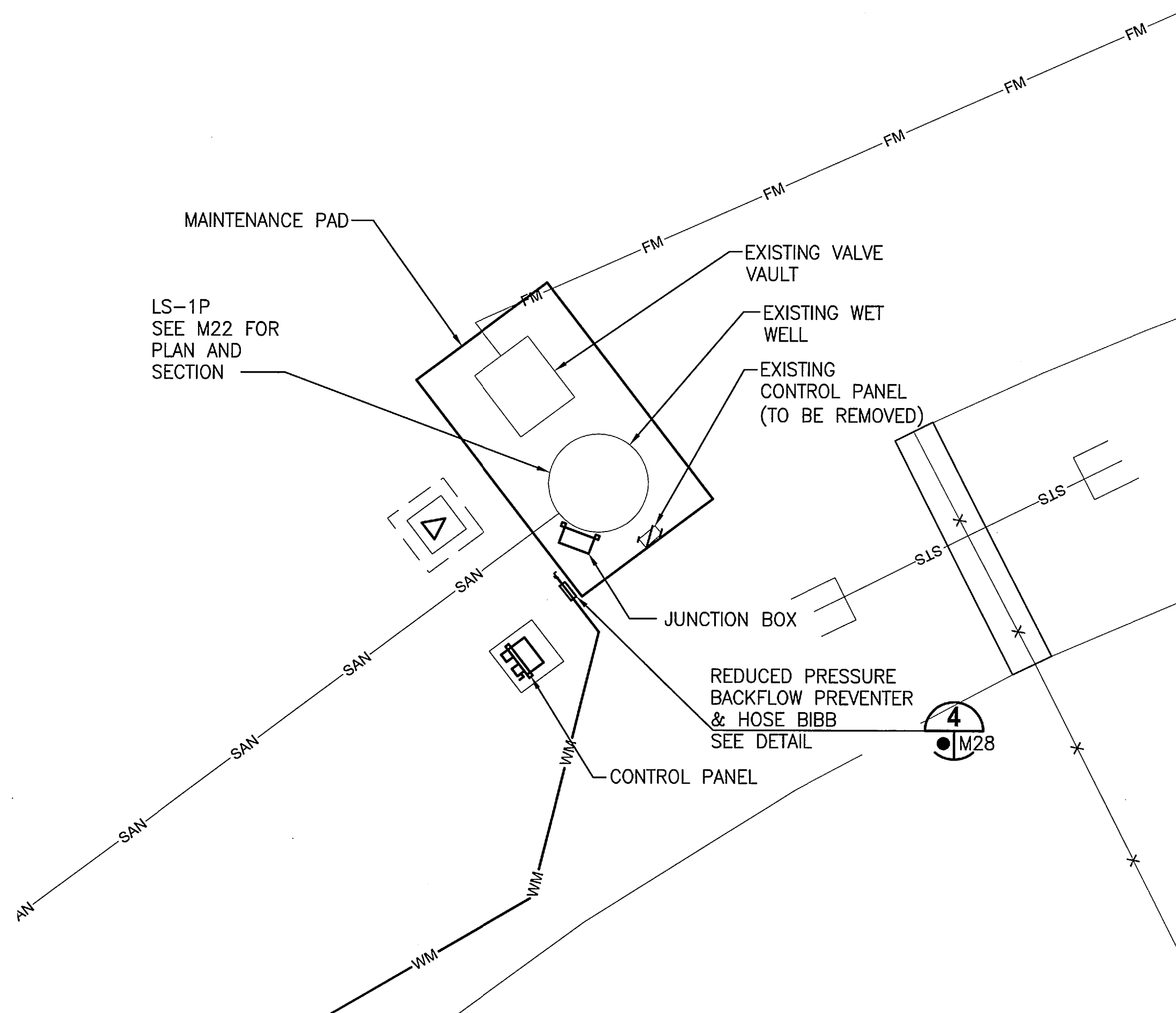
LIFT STATION 1N AREA PLAN
1" = 30'



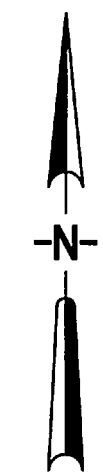
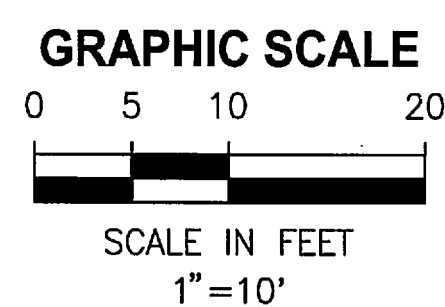
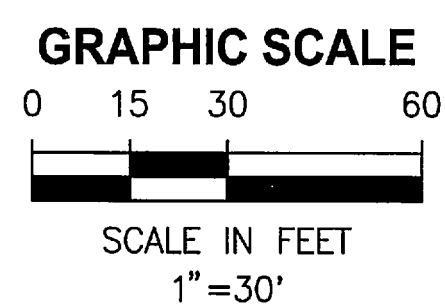
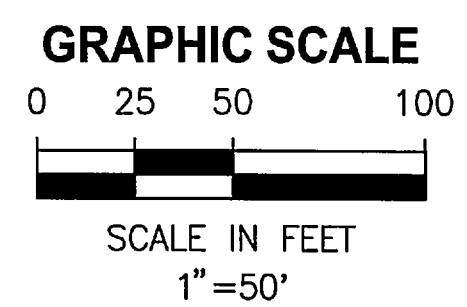
LIFT STATION 1N PLAN
1" = 10'



LIFT STATION 1P AREA PLAN
1" = 50'



LIFT STATION 1P PLAN
1" = 10'

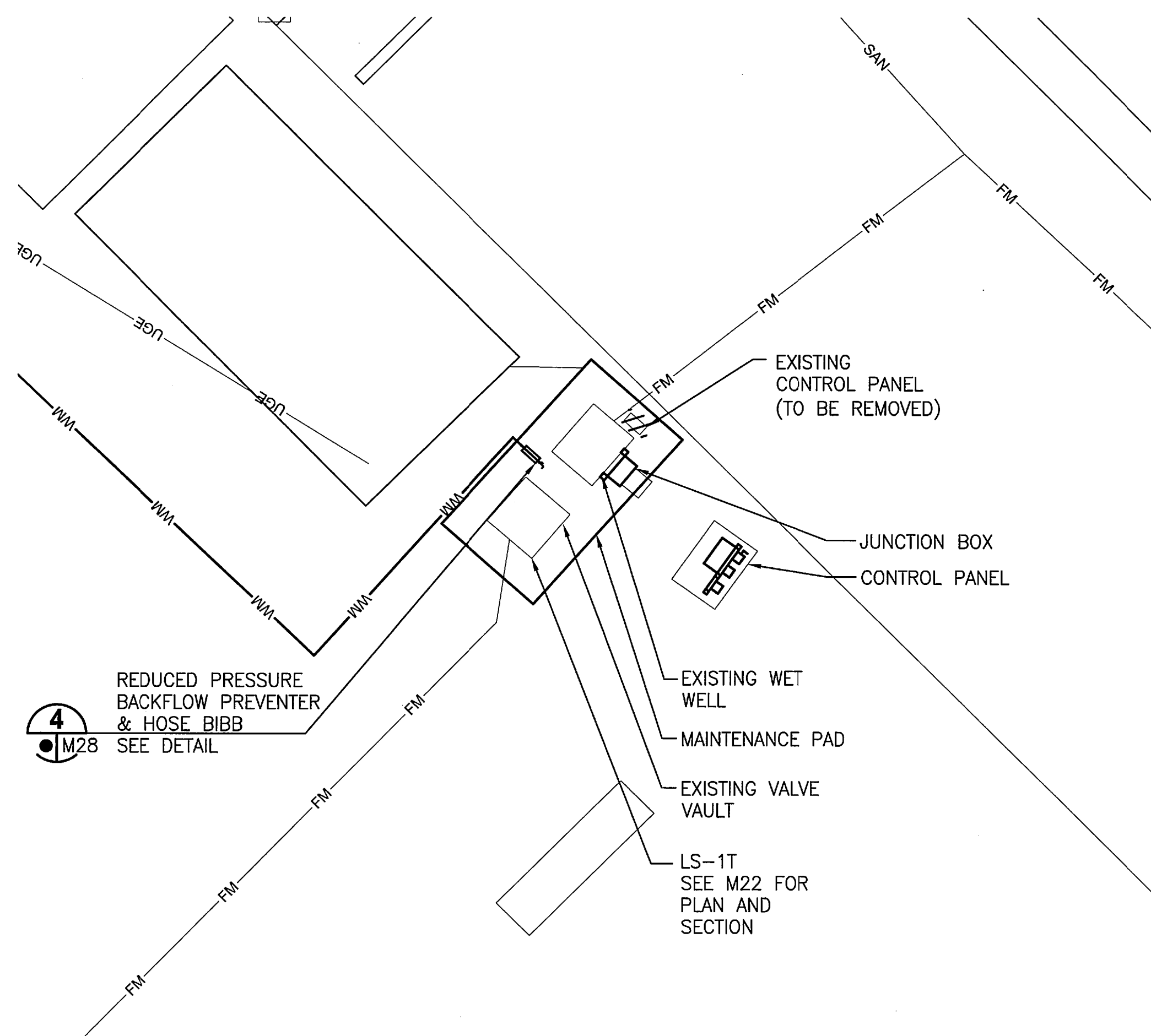


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SIGNATURES		DATE	
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SUBMITTED R. BEST		12/05/11	
ST of LICENSURE: FL LICENSE NO: 69875			
APPROVED M. CLARK		12/7/11	
K. MILLER		1/4/11	
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA			
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS			
REHABILITATION LIFT STATIONS SITE PLANS			
FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 2	A
PROJ. NO. 96968.3		SHEET 25	

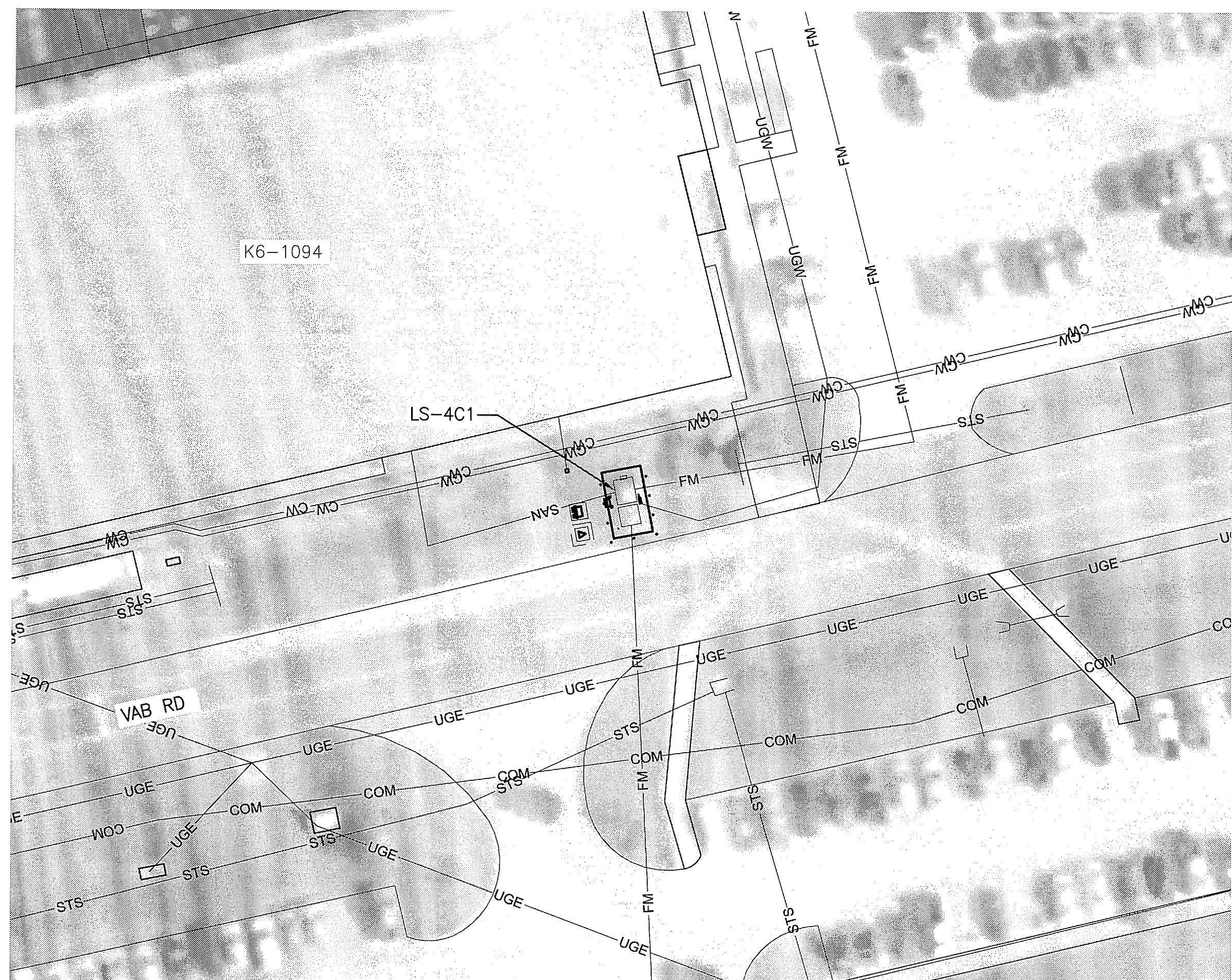
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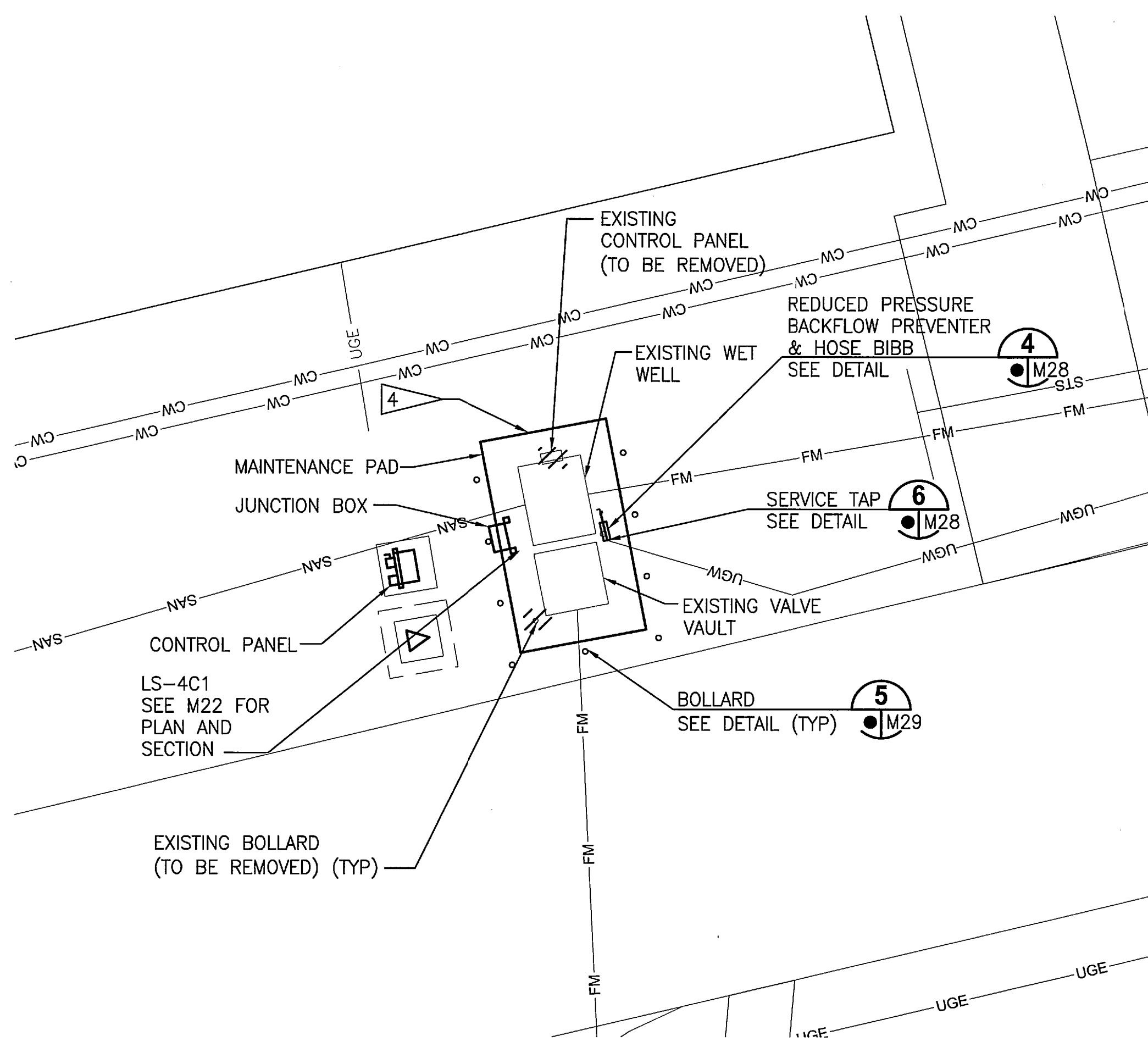
LIFT STATION 1T PLAN
1" = 30'



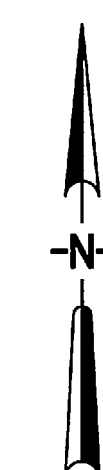
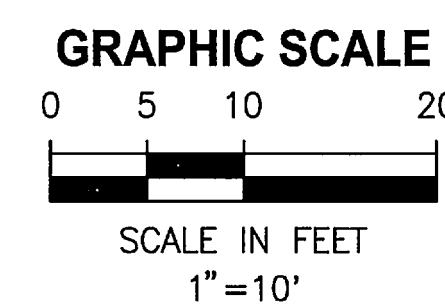
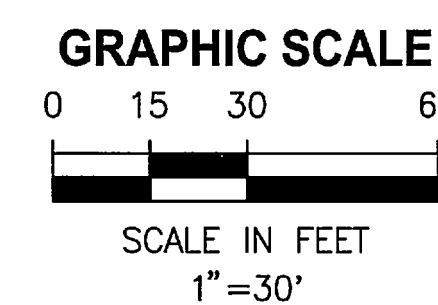
LIFT STATION 1T PLAN
1" = 10'



LIFT STATION 4C1 PLAN
1" = 30'



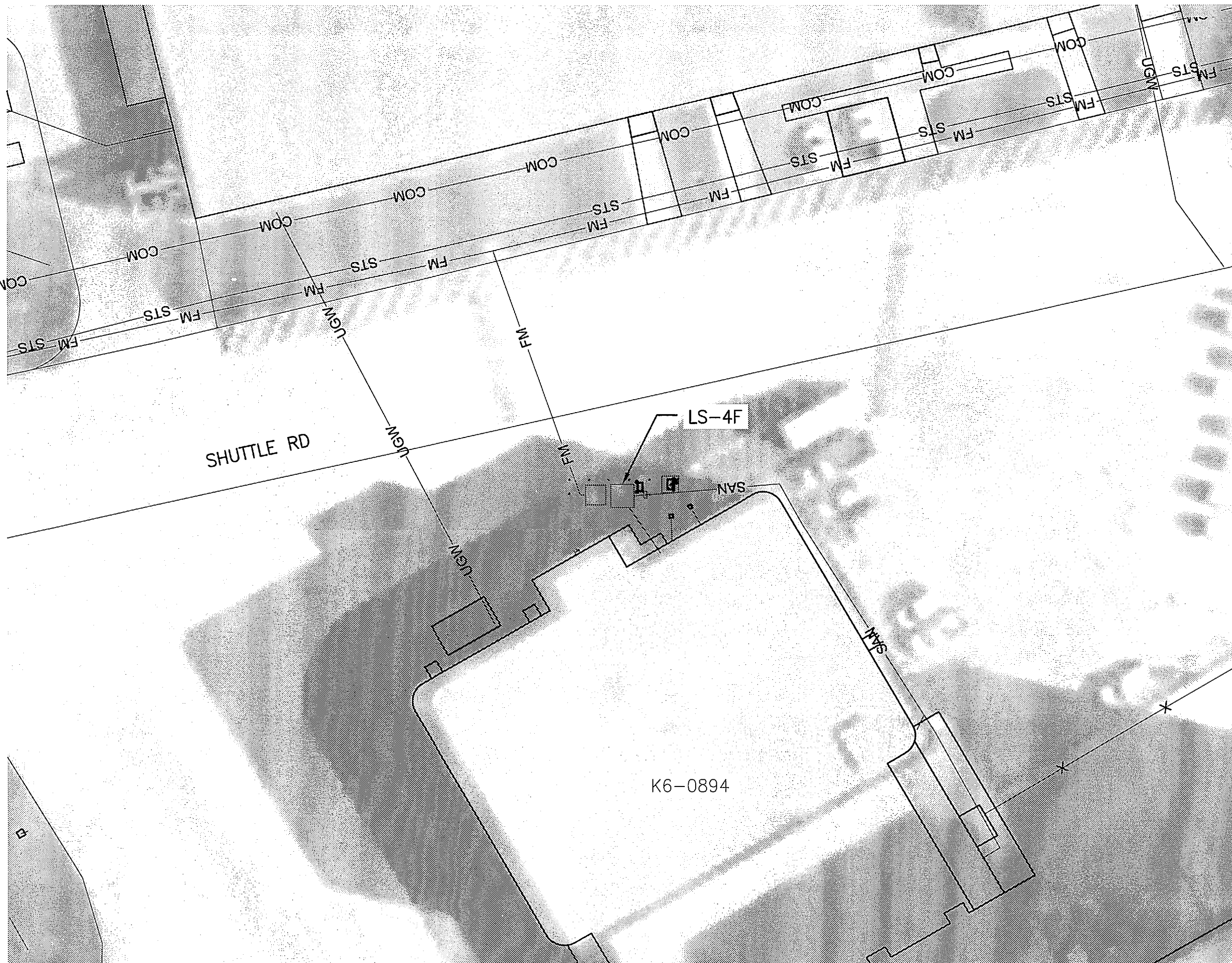
LIFT STATION 4C1 PLAN
1" = 10'



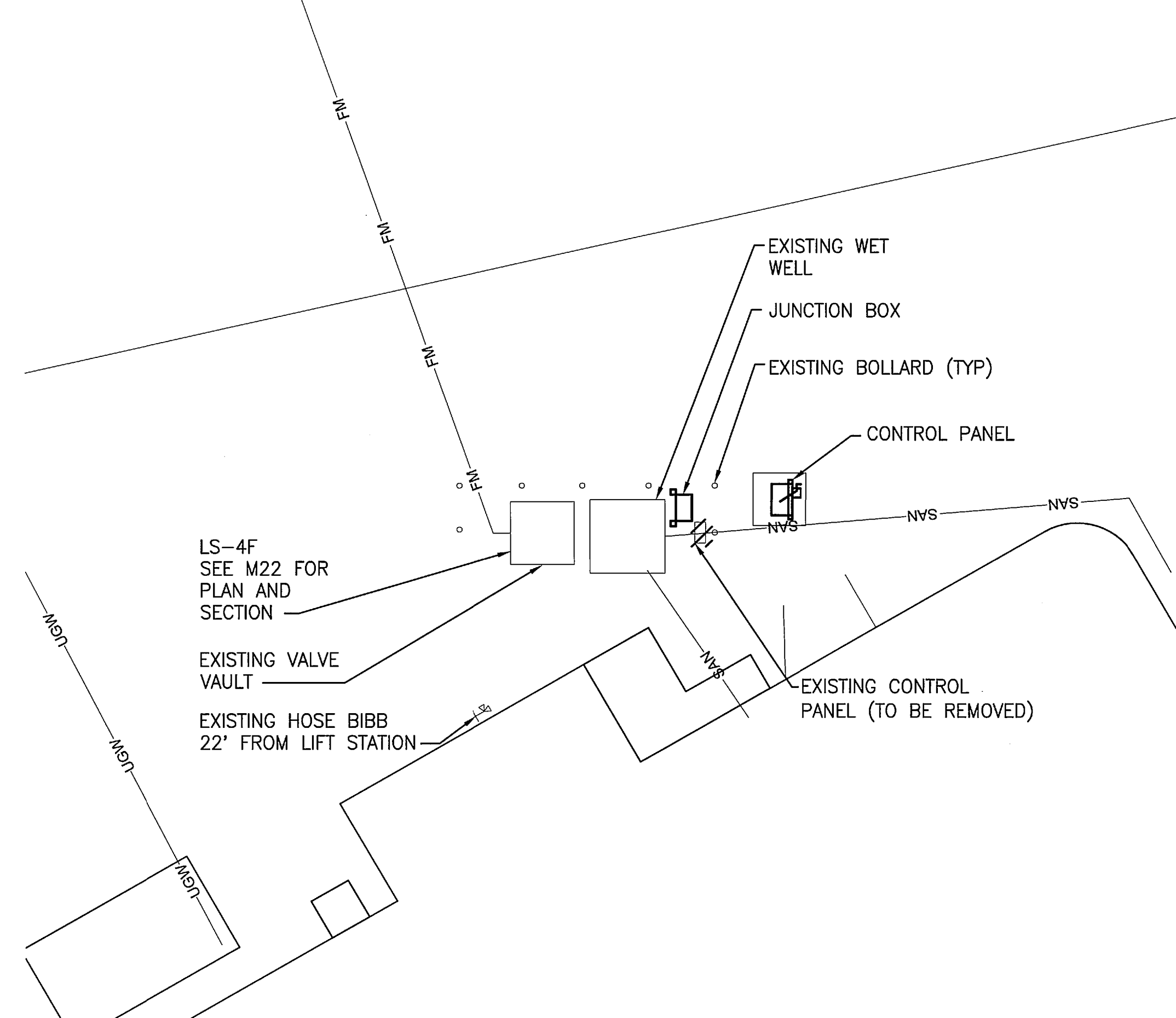
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SIGNATURES		DATE	
DRAWN G. O'LEARY		12/05/11	
CHECKED M. CLARK		12/05/11	
SUBMITTED R. BEST		12/05/11	
ST of LICENSURE: FL LICENSE NO: 69875			
APPROVED M. CLARK		12/05/11	
K. MILLER		12/05/11	
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA		REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS	
REHABILITATION LIFT STATIONS SITE PLANS		A	
FILE NO.	SIZE F	DWG. NO. 79K38877	REV A
PROJ. NO. 96968.3	SHEET 26		

M14

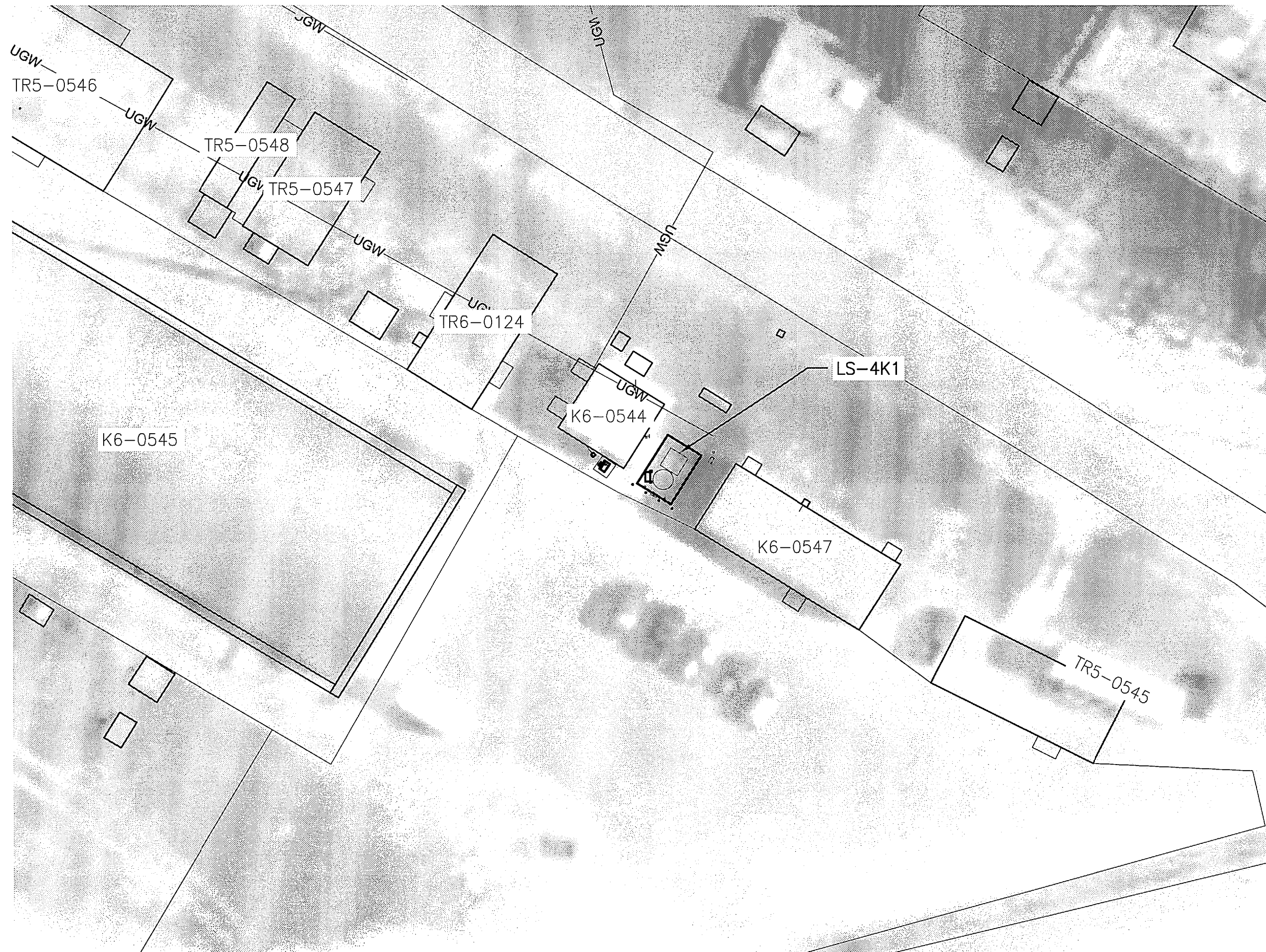
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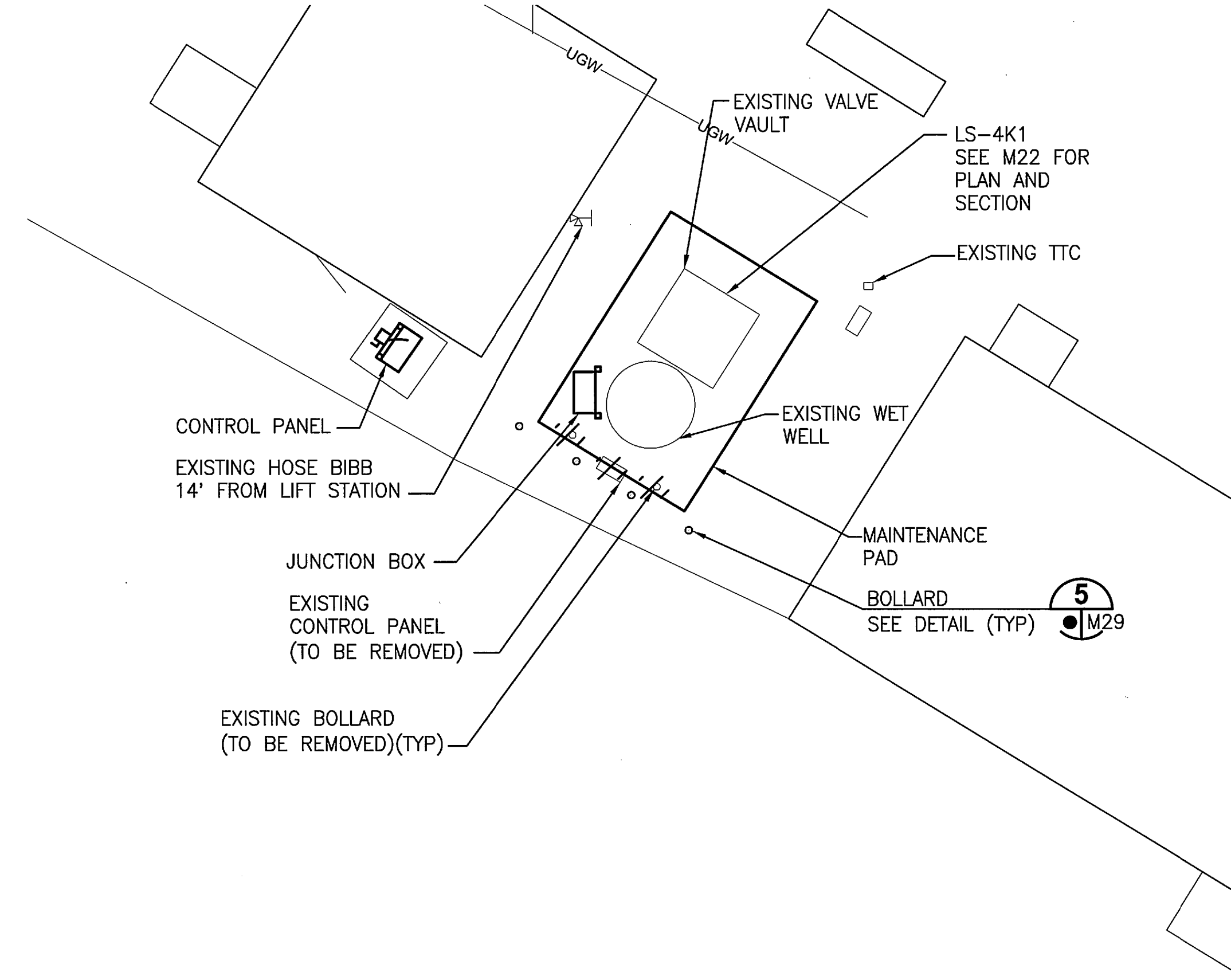
LIFT STATION 4F PLAN
1" = 30'



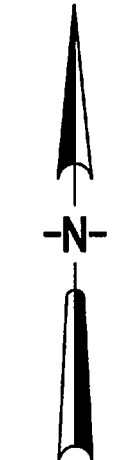
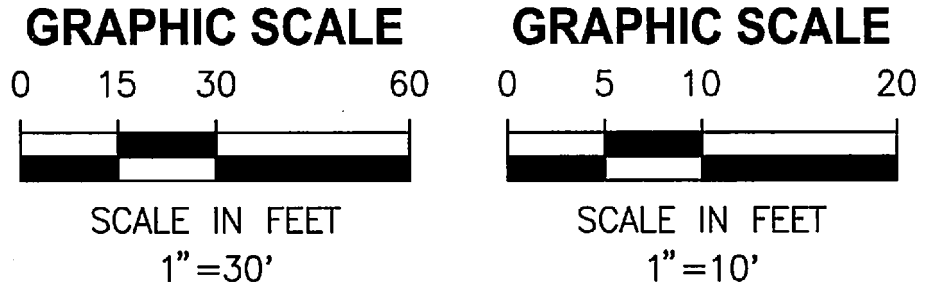
LIFT STATION 4F PLAN
1" = 10'



LIFT STATION 4K1 PLAN
1" = 30'



LIFT STATION 4K1 PLAN
1" = 10'



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SIGNATURES		DATE	
DRAWN G. O'LEARY		12/05/11	
CHECKED M. CLARK		12/05/11	
SUBMITTED R. BEST		12/05/11	
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APPROVED K. MILLER		12/05/11	
M15			
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA			
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS			
REHABILITATION LIFT STATIONS SITE PLANS			
FILE NO.		SIZE F	DWG. NO. 79K38877 VOL 2
PROJ. NO. 96968.3		SHEET 27	

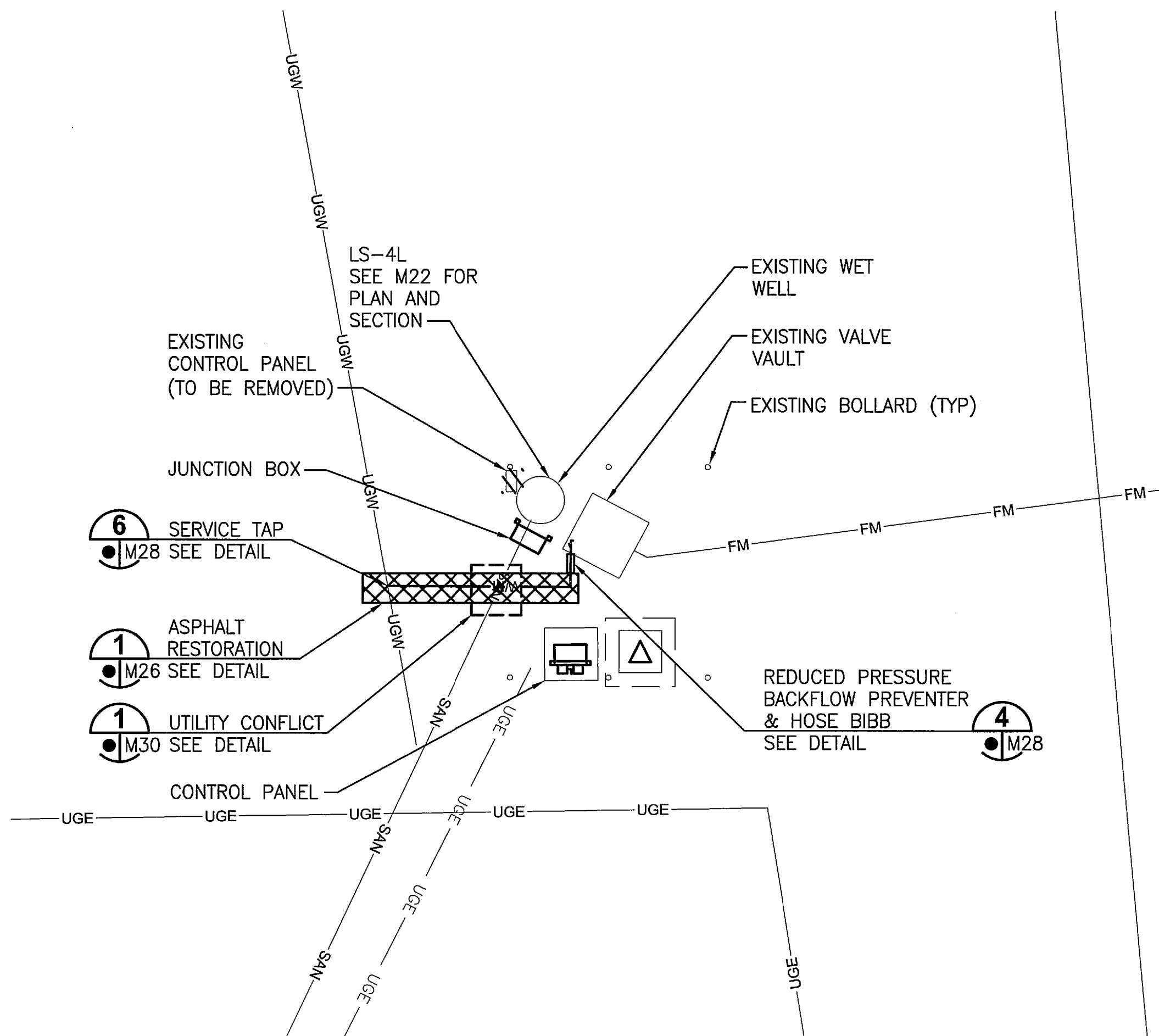
8
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1

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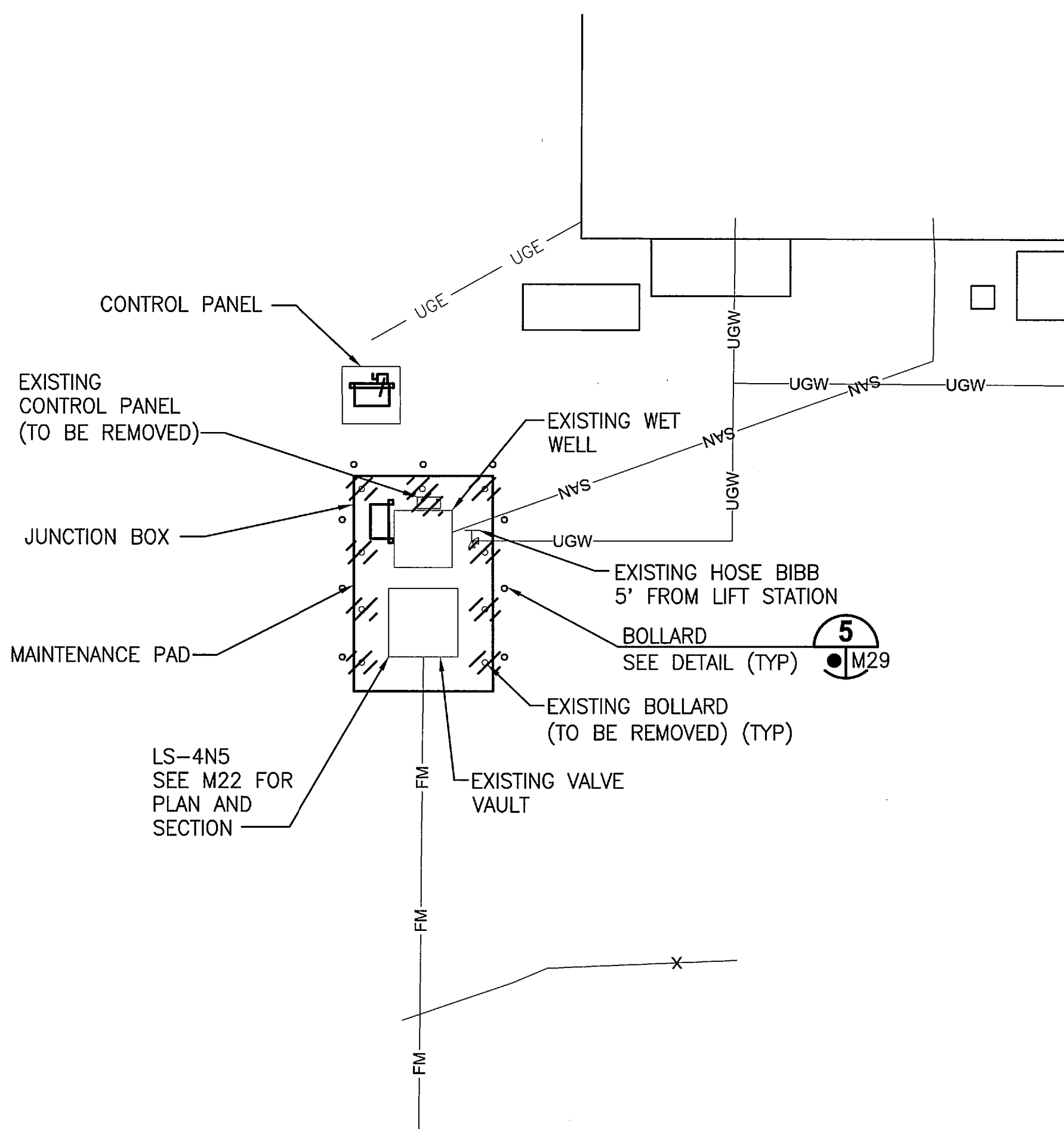
LIFT STATION 4L PLAN
1" = 30'



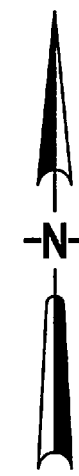
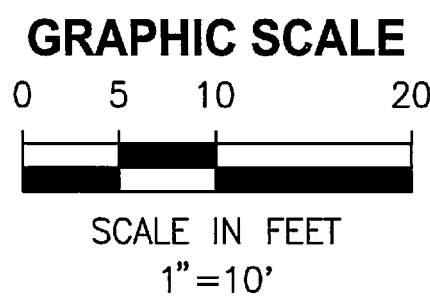
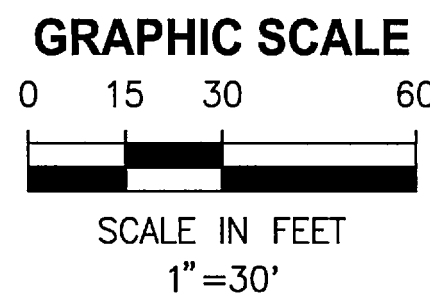
LIFT STATION 4L PLAN
1" = 10'



LIFT STATION 4N5 PLAN
1" = 30'

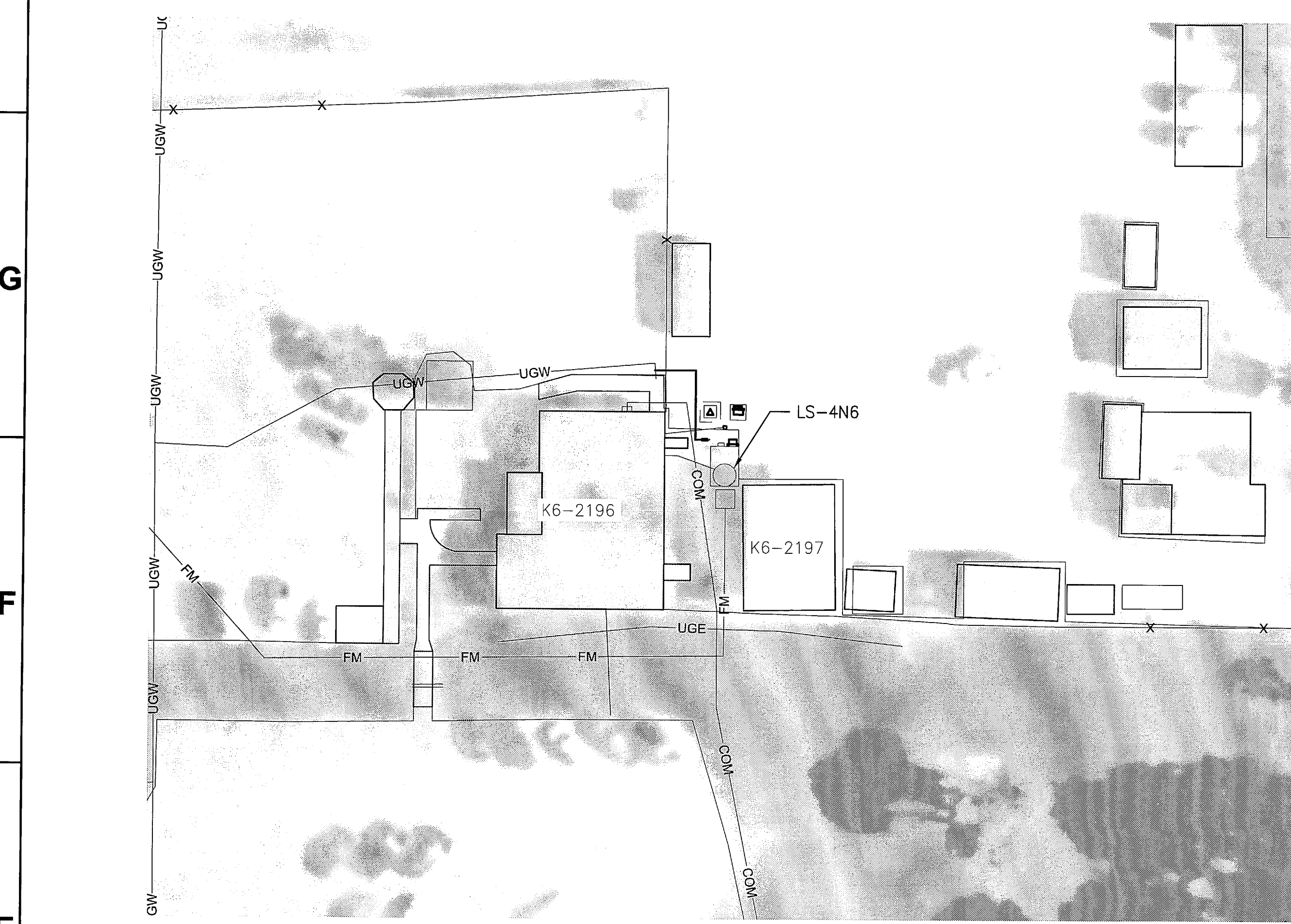


LIFT STATION 4N5 PLAN
1" = 10'

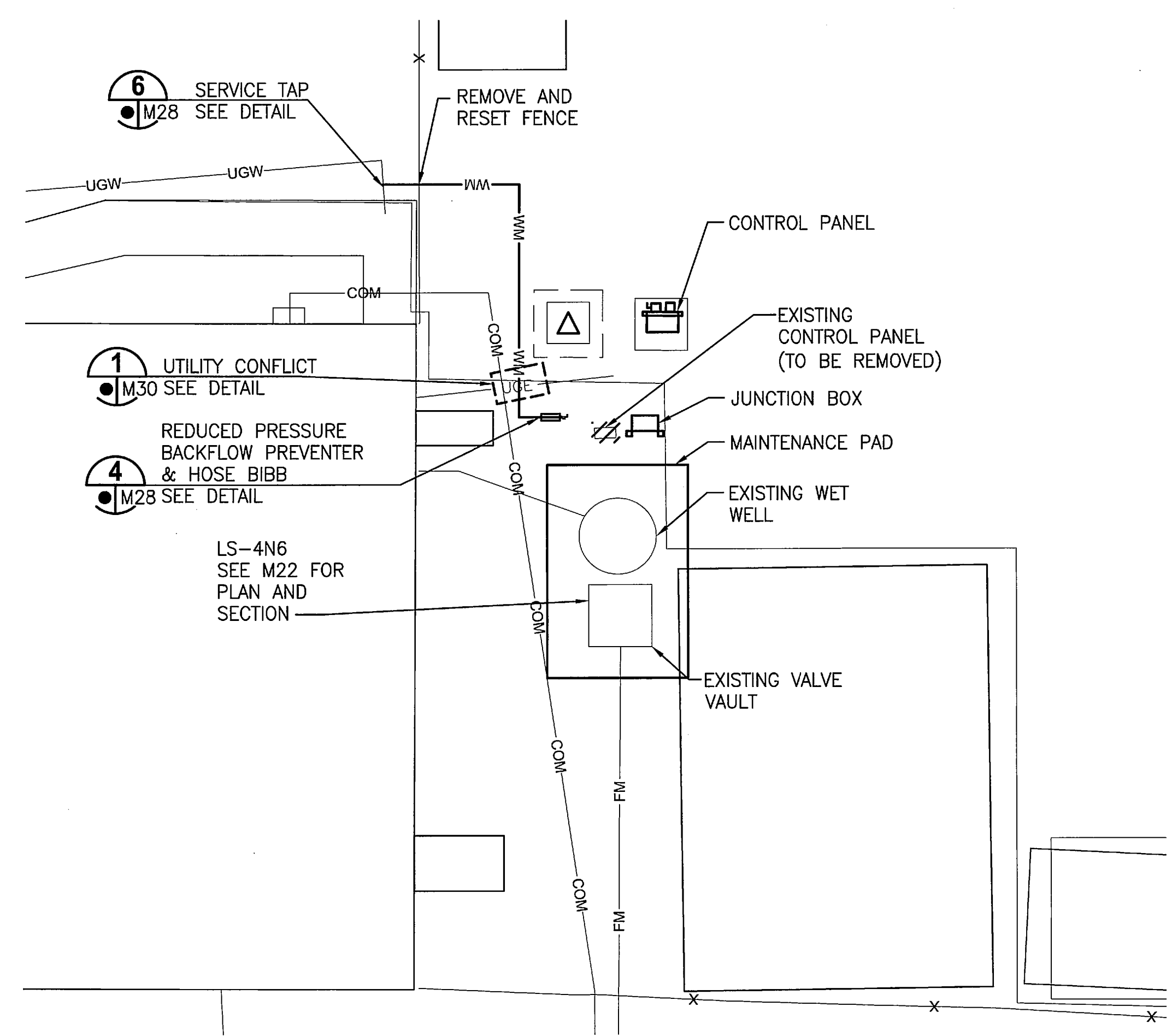


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SIGNATURES		DATE	
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ST of LICENSURE: FL LICENSE NO: 69875			
APPROVED K. MILLER		12/05/11	
M16			
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA			
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS			
REHABILITATION LIFT STATIONS SITE PLANS			
FILE NO.		SIZE F	DWG. NO. 79K38877 VOL 2
PROJ. NO. 96968.3		SHEET 28	

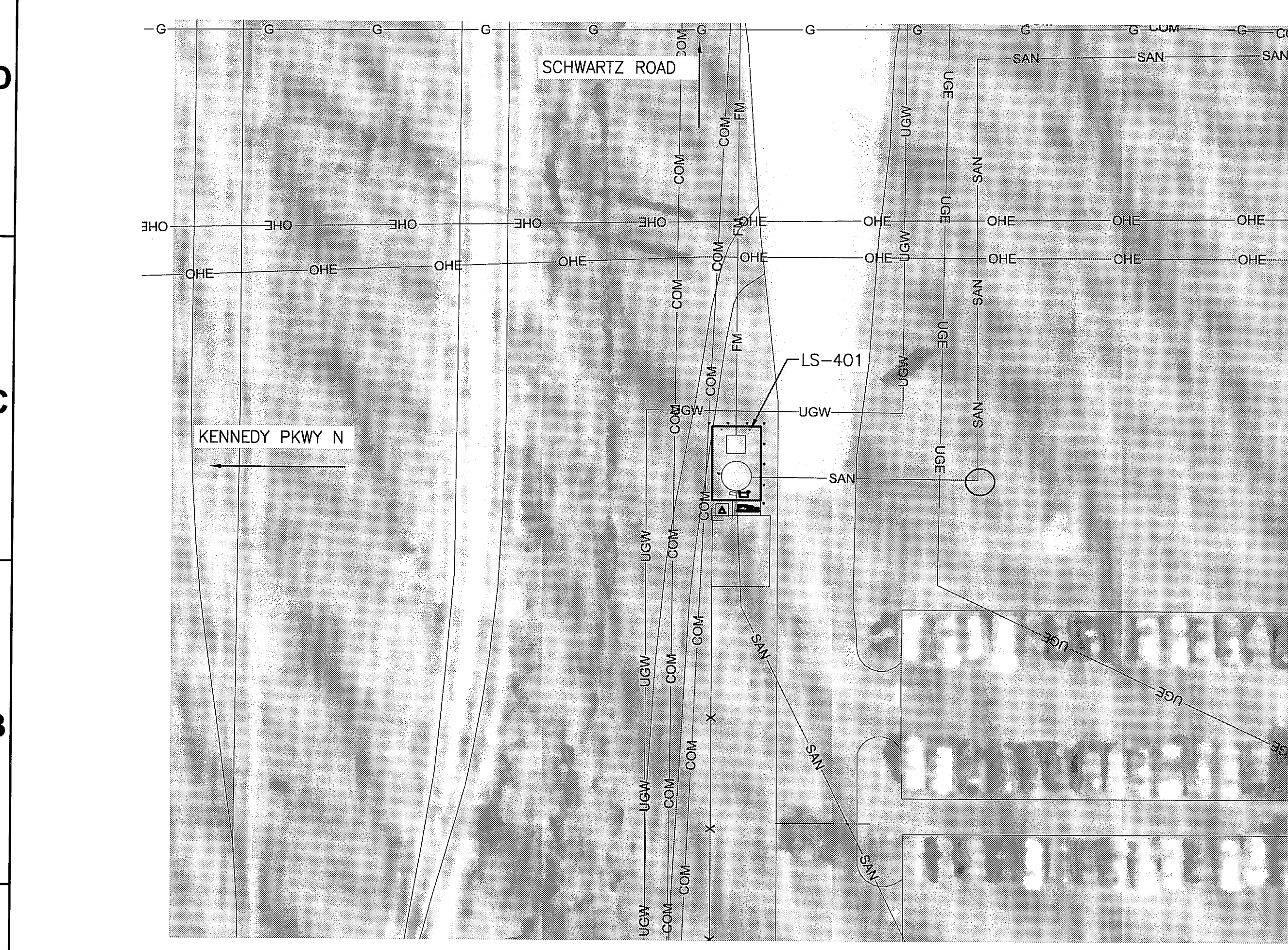
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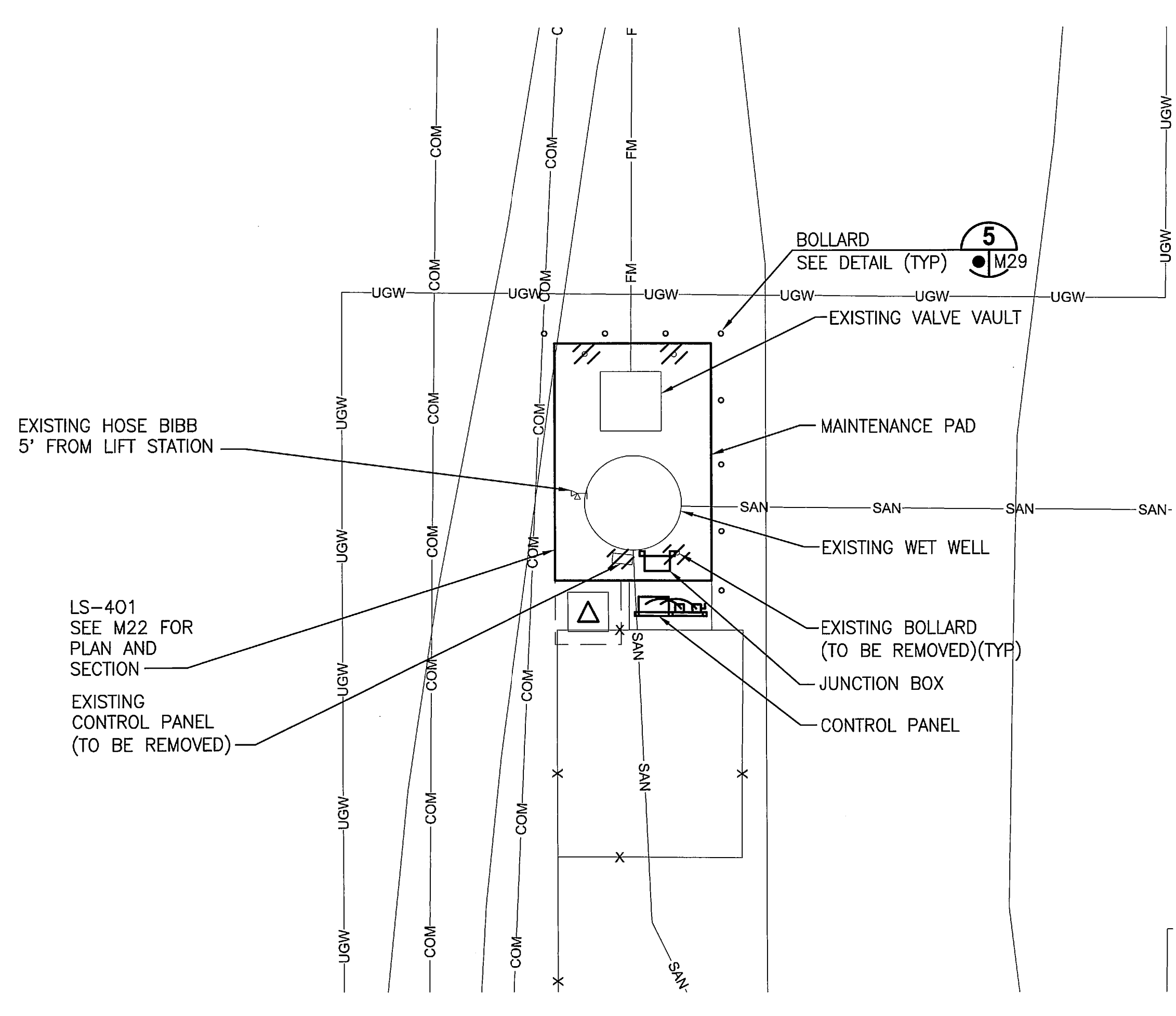
LIFT STATION 4N6 PLAN
1" = 30'



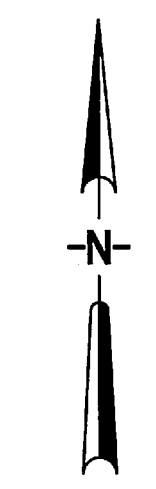
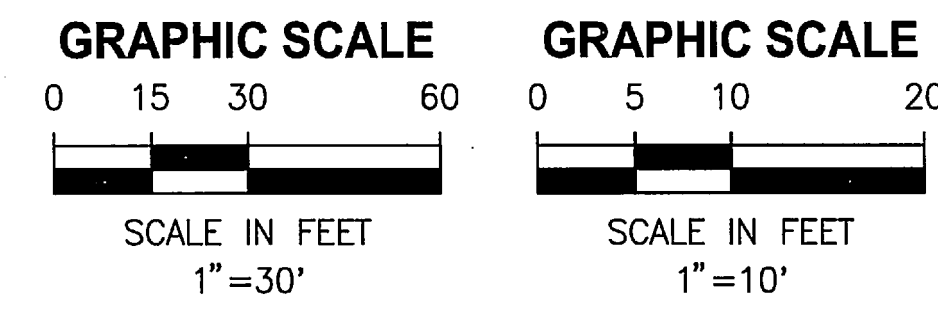
LIFT STATION 4N6 PLAN
1" = 10'



LIFT STATION 401 PLAN
1" = 30'

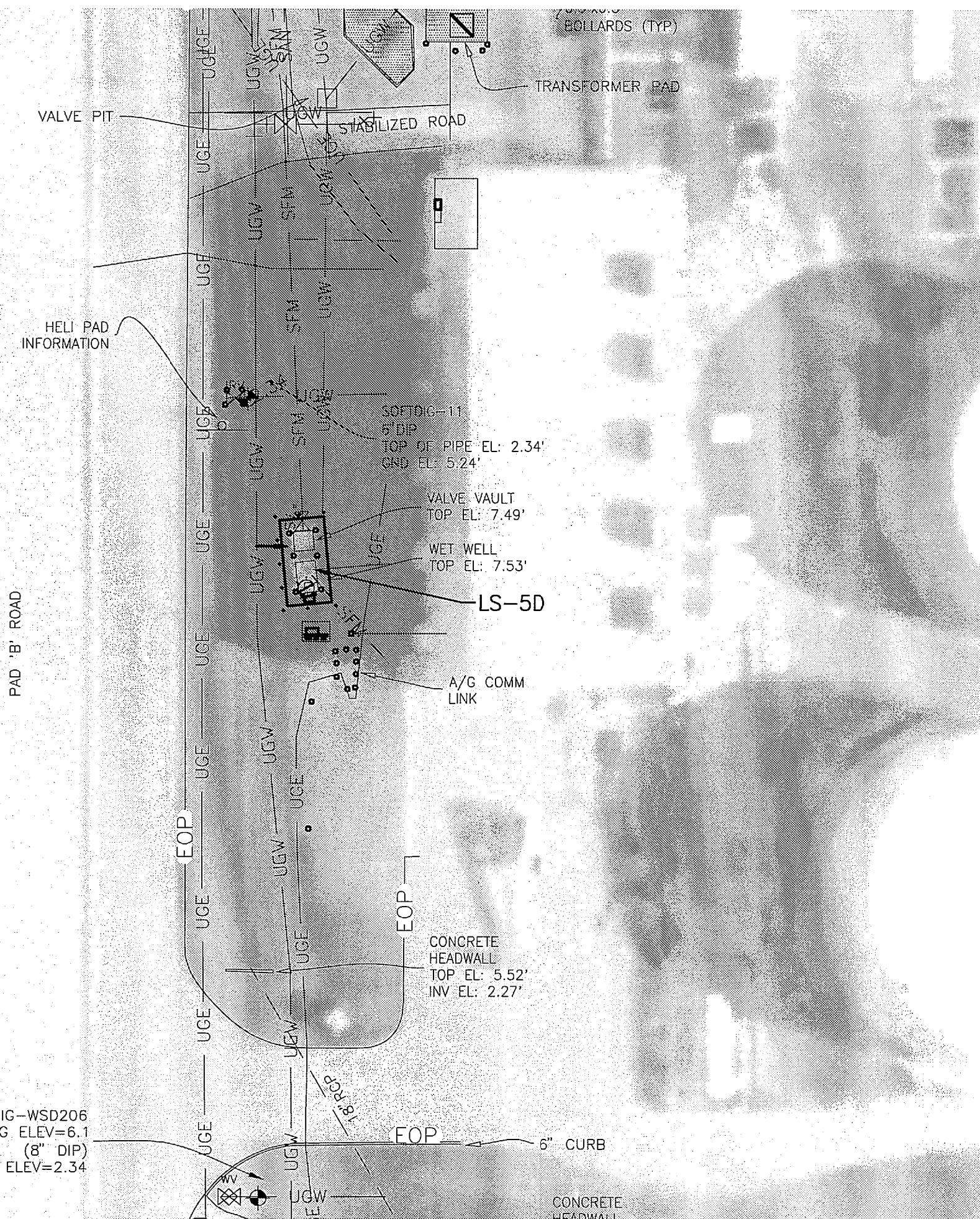


LIFT STATION 401 PLAN
1" = 10'

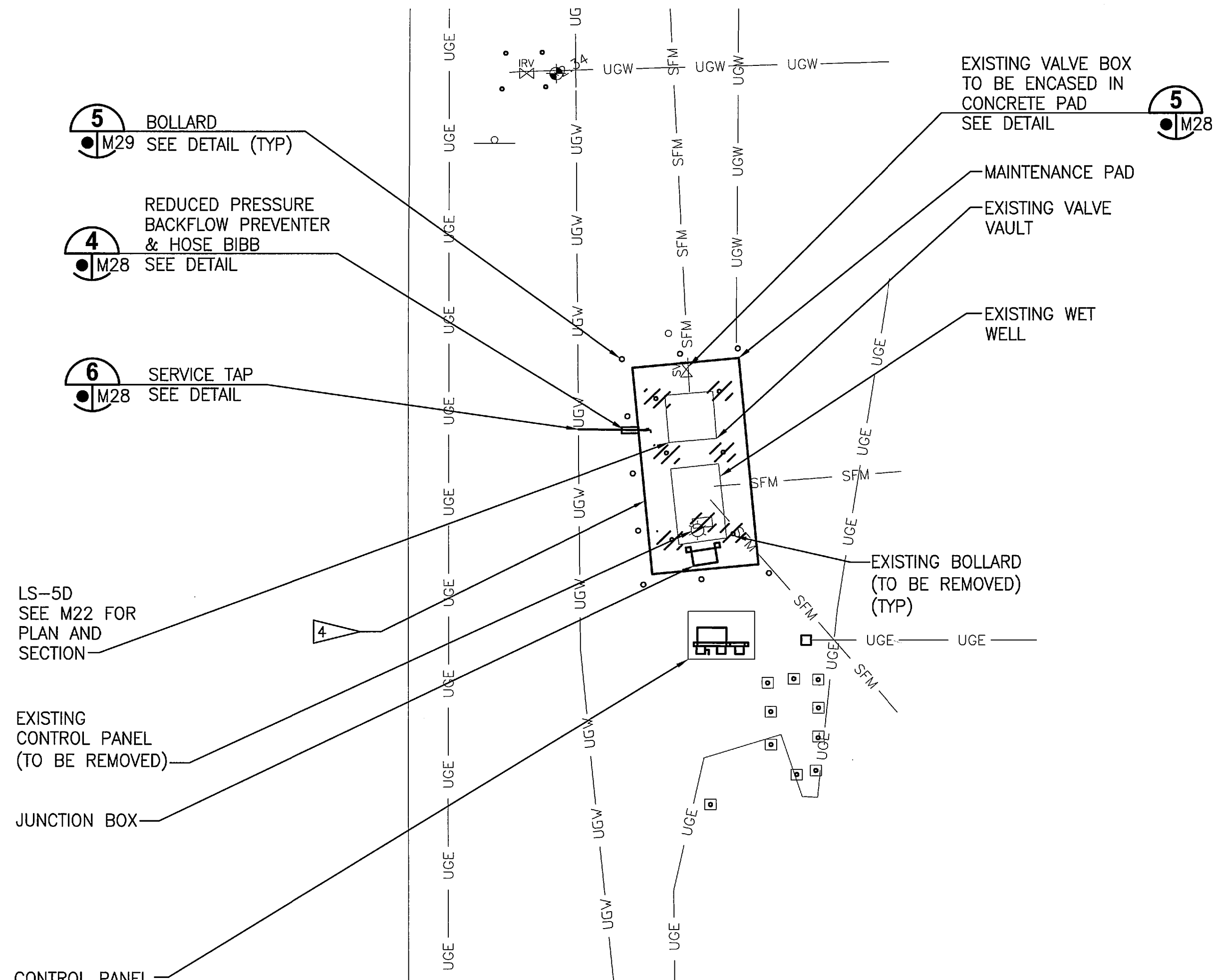


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SIGNATURES		DATE		NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA	
DRAWN G. O'LEARY		12/05/11			
CHECKED M. CLARK		12/05/11		REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS	
SUBMITTED <i>[Signature]</i> R. BEST		12/05/11		REHABILITATION LIFT STATIONS SITE PLANS	
ST OF LICENSURE: FL LICENSE NO: 69875				FILE NO.	
APPROVED <i>[Signature]</i> M. CLARK		12/05/11		SIZE F	DWG. NO. 79K38877 VOL 2
K. MILLER		12/05/11		REV A	
PROJ. NO. 96968.3				SHEET 29	

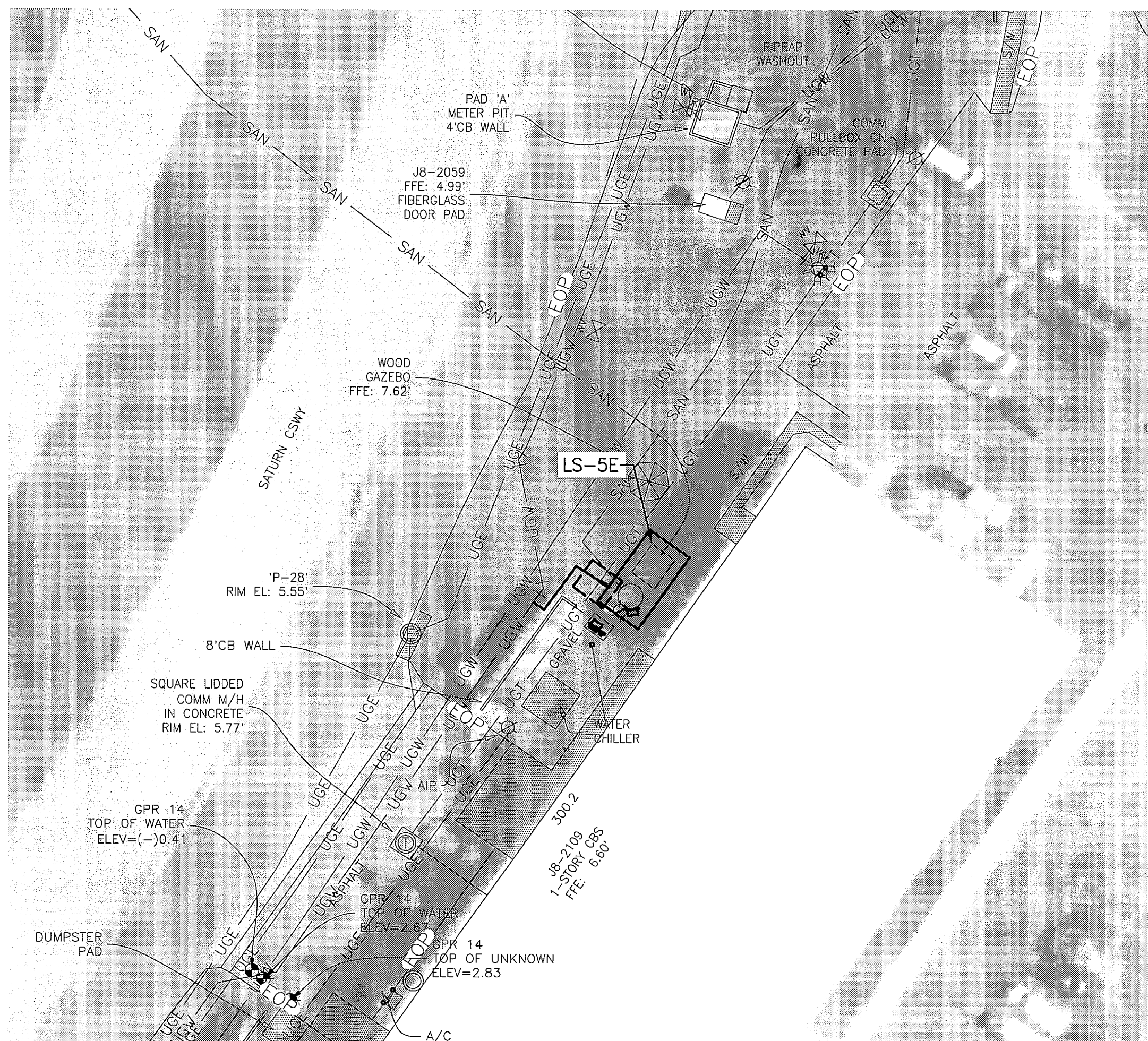
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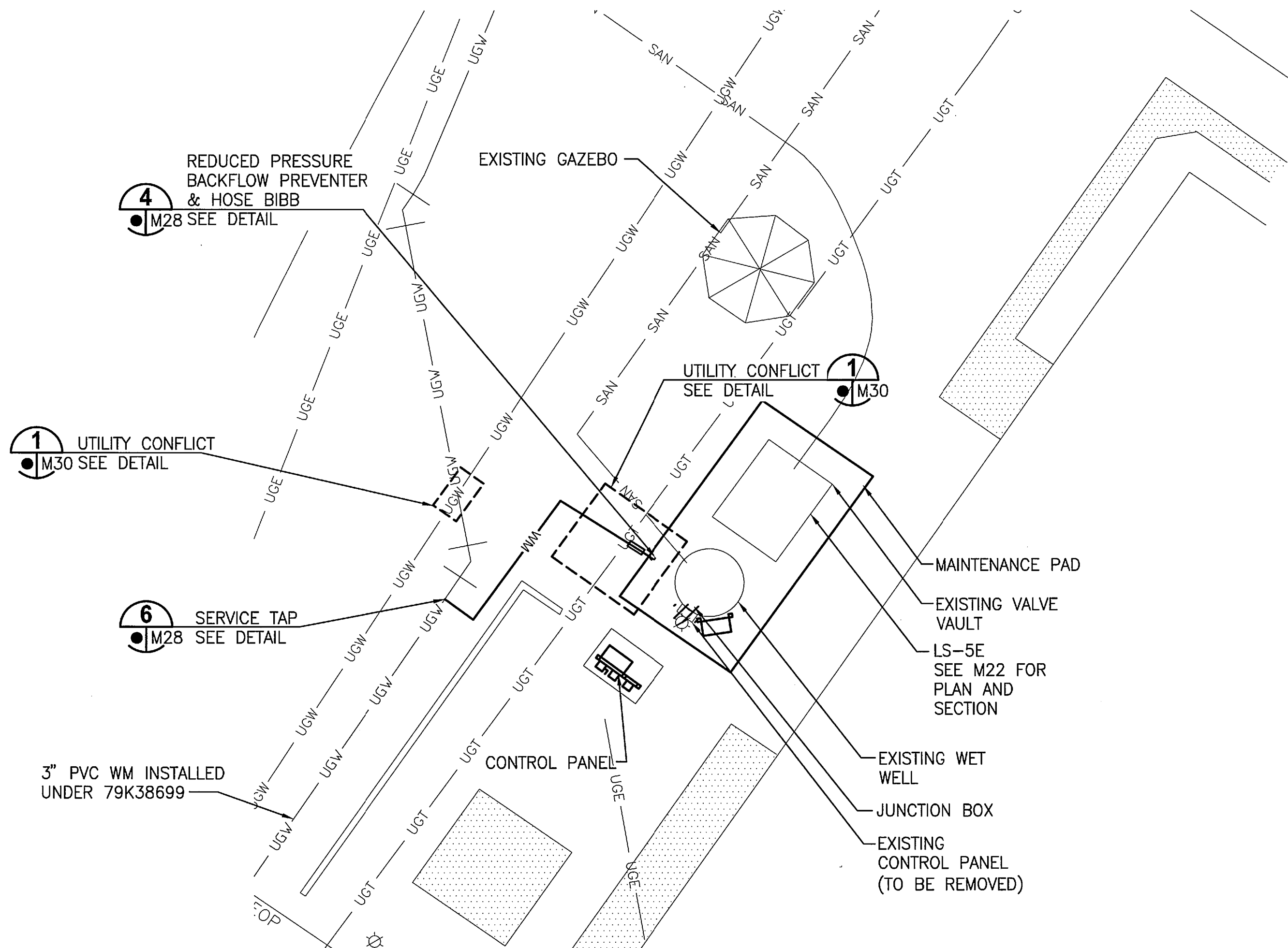
LIFT STATION 5D PLAN
1" = 30'



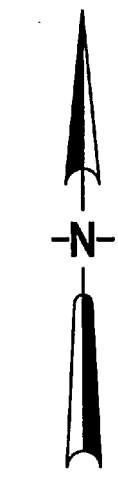
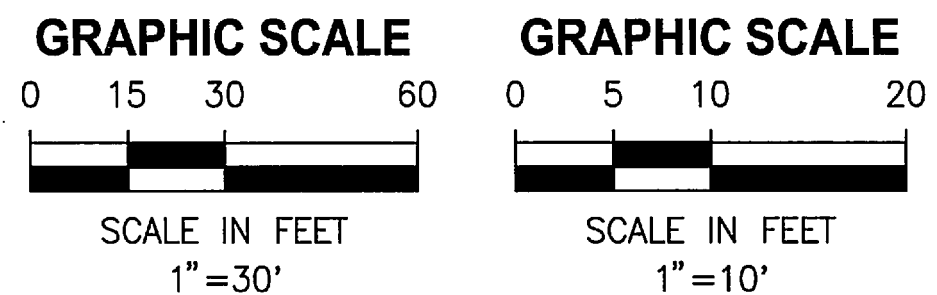
LIFT STATION 5D PLAN
1" = 10'



LIFT STATION 5E PLAN
1" = 30'



LIFT STATION 5E PLAN
1" = 10'

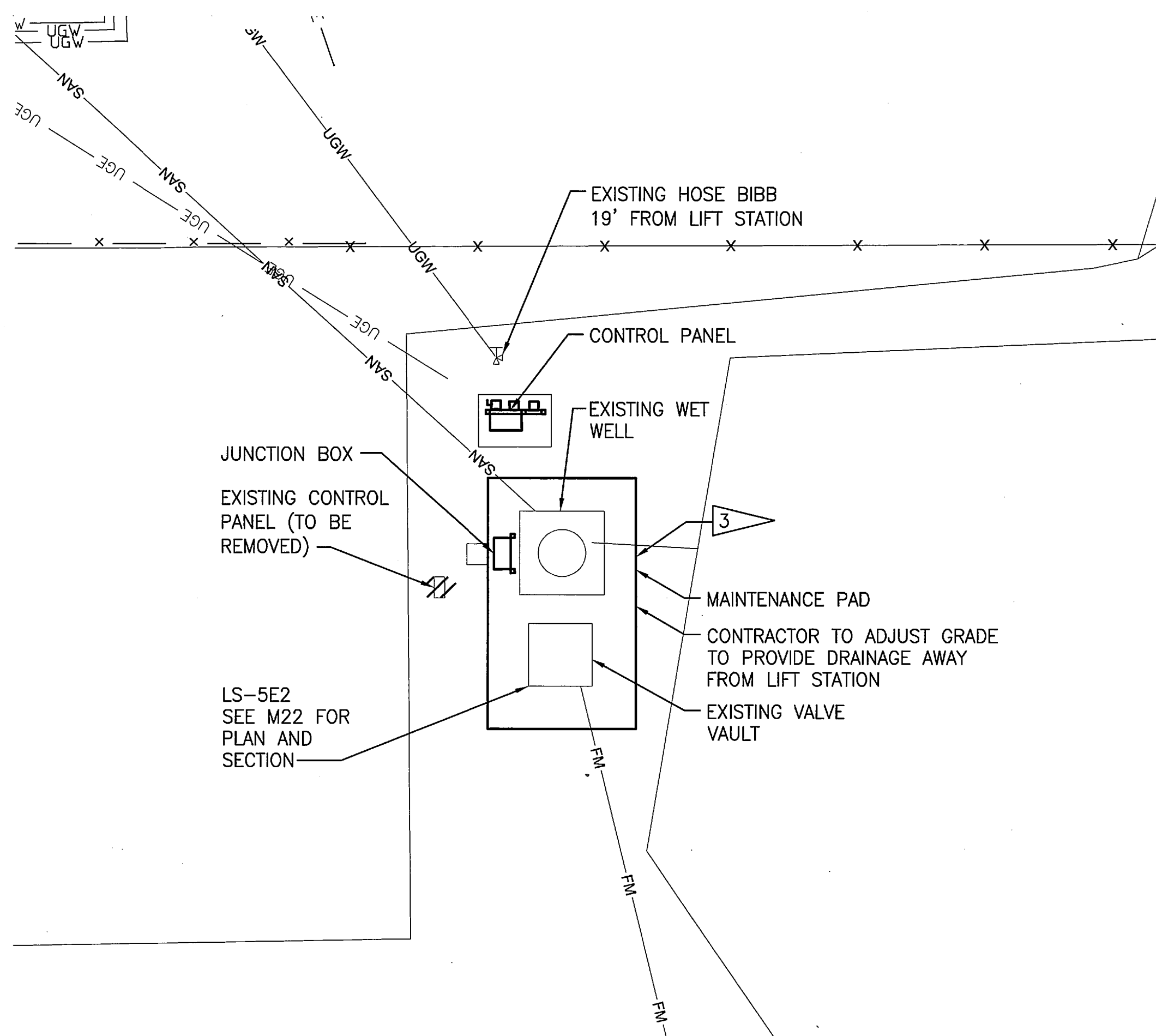


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SIGNATURES		DATE	
DRAWN G. O'LEARY		12/05/11	
CHECKED M. CLARK		12/05/11	
SUBMITTED R. BEST		12/05/11	
ST of LICENSURE: FL LICENSE NO: 69875			
APPROVED K. MILLER		12/05/11	
M18			
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA			
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS			
REHABILITATION LIFT STATIONS SITE PLANS			
FILE NO.		SIZE F	DWG. NO. 79K38877 VOL 2
PROJ. NO. 96968.3		SHEET 30	

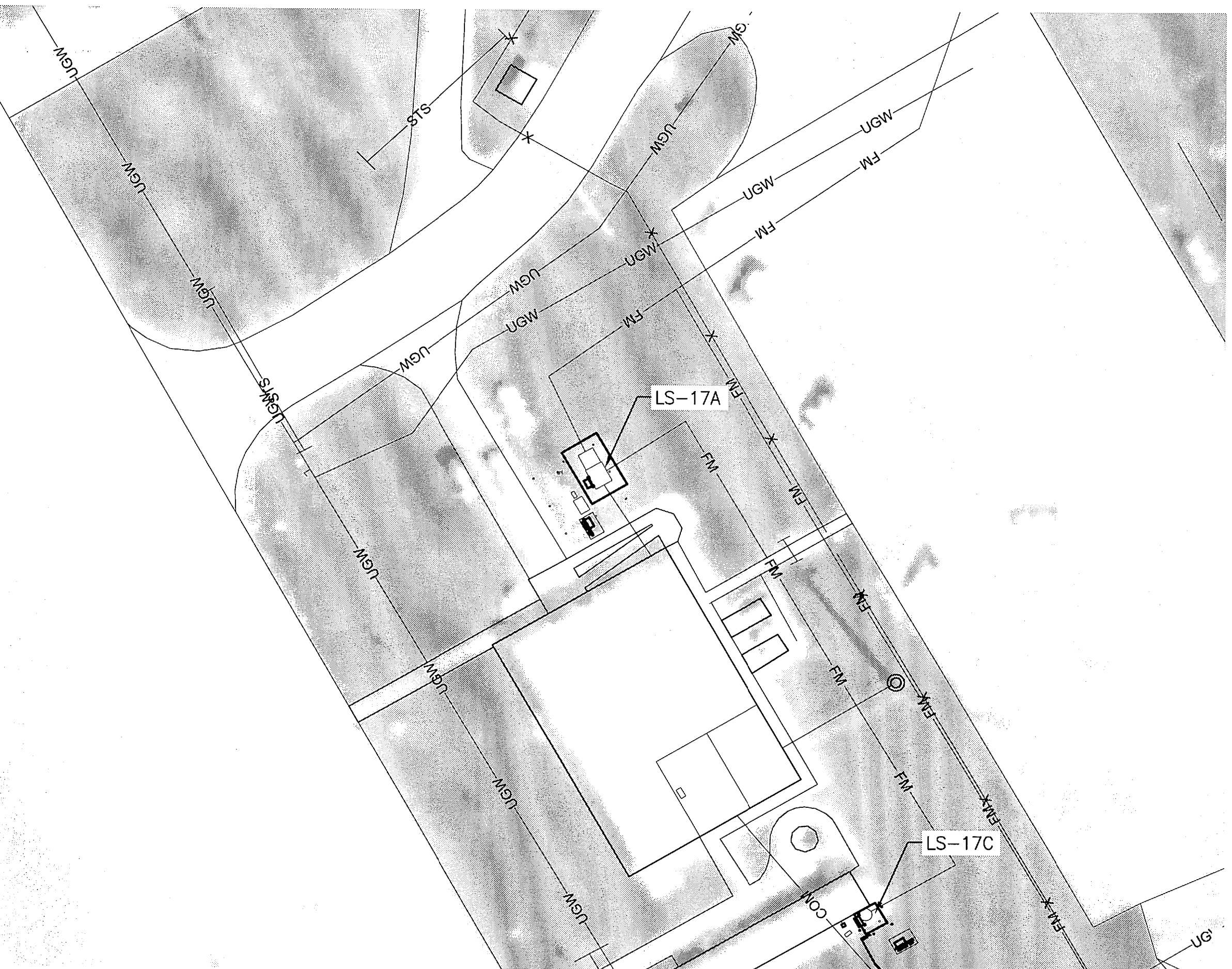
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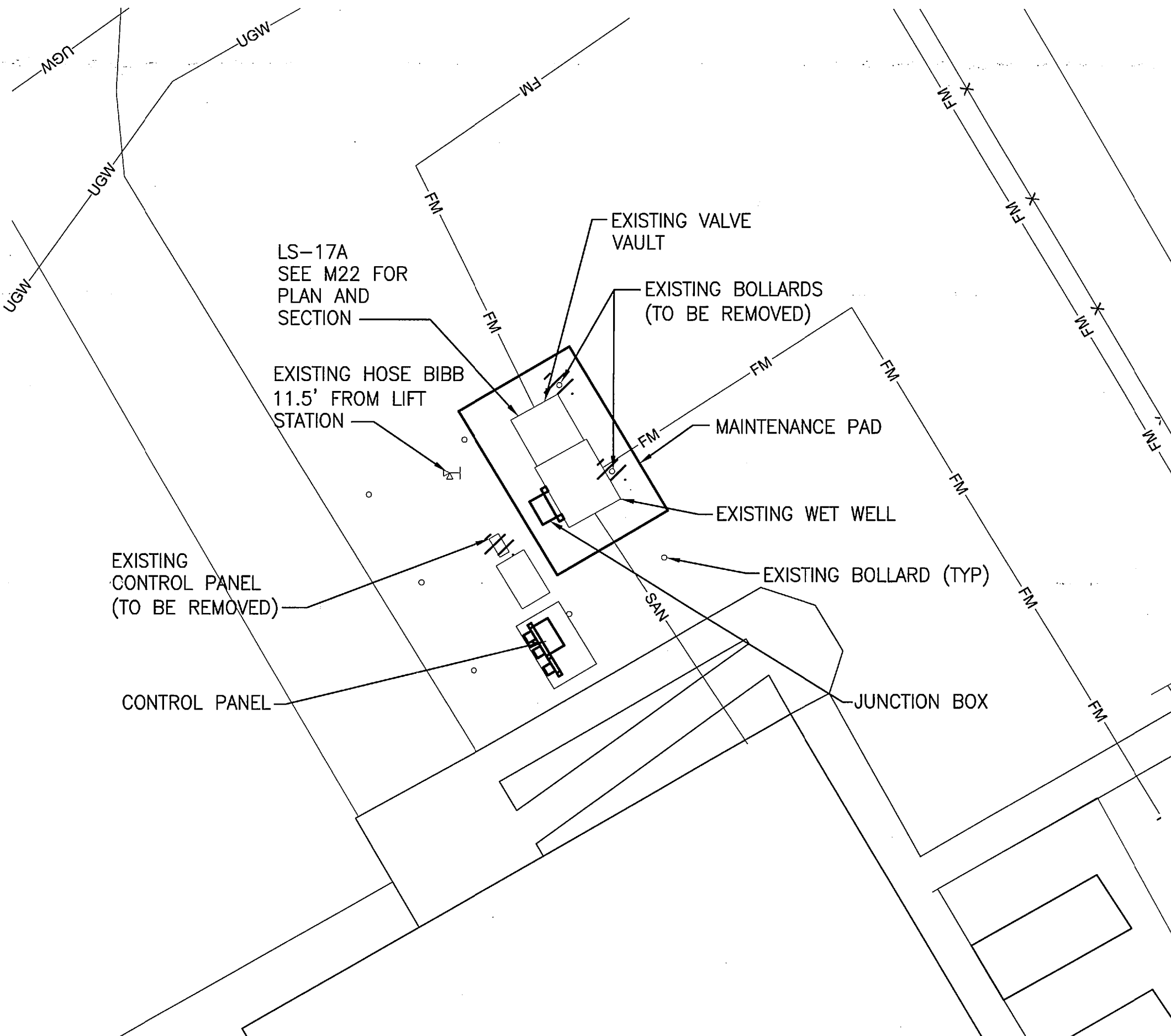
LIFT STATION 5E2 PLAN
1" = 30'



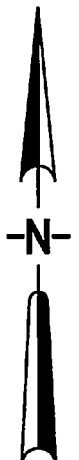
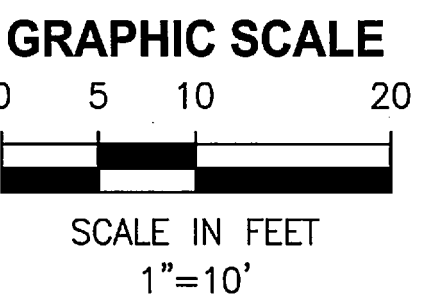
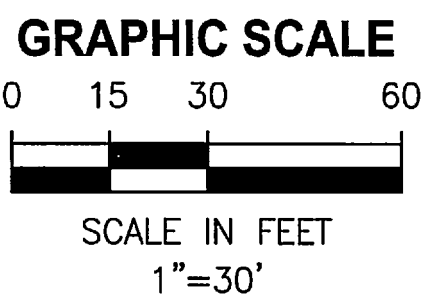
LIFT STATION 5E2 PLAN
1" = 10'



LIFT STATION 17A PLAN
1" = 30'

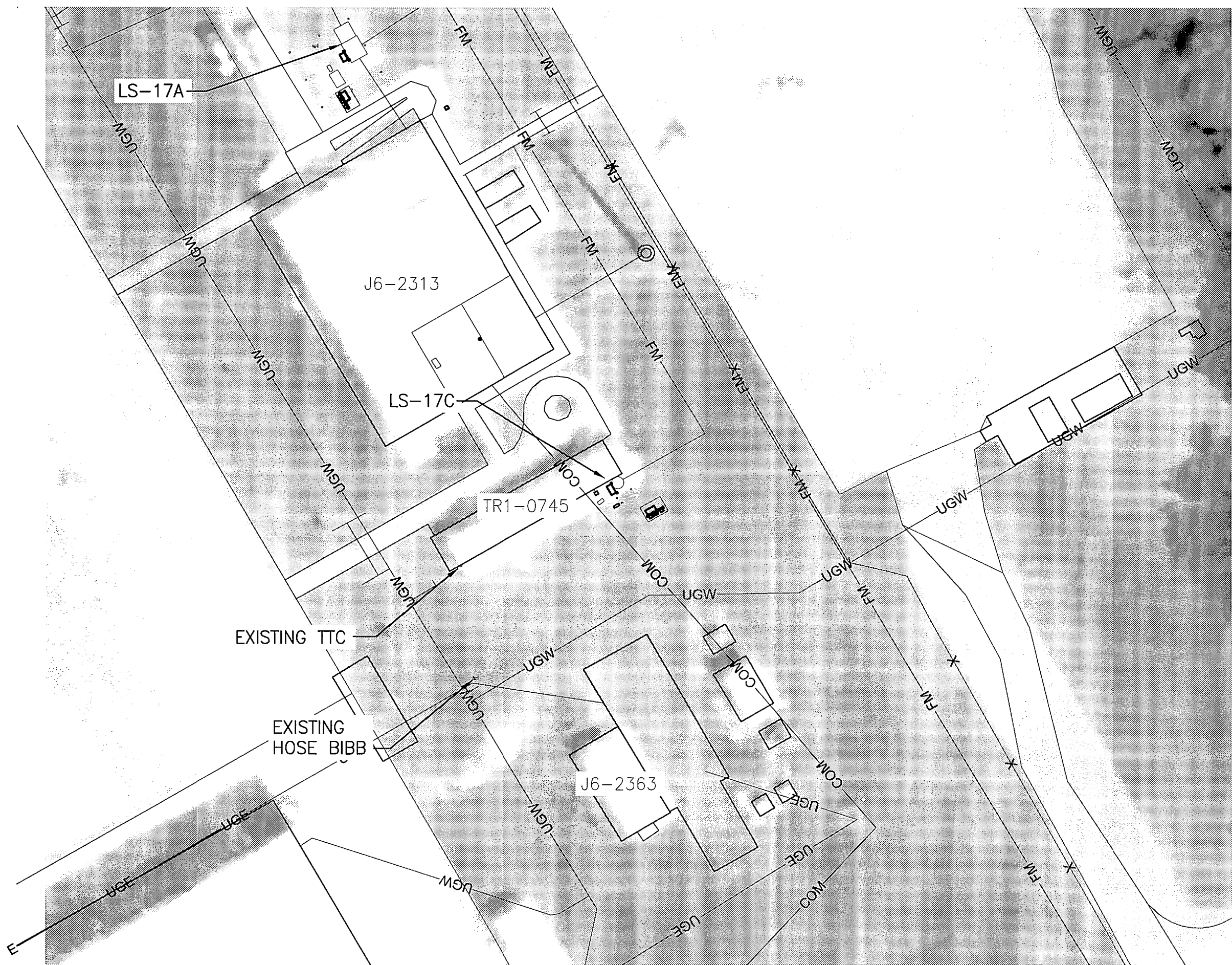


LIFT STATION 17A PLAN
1" = 10'



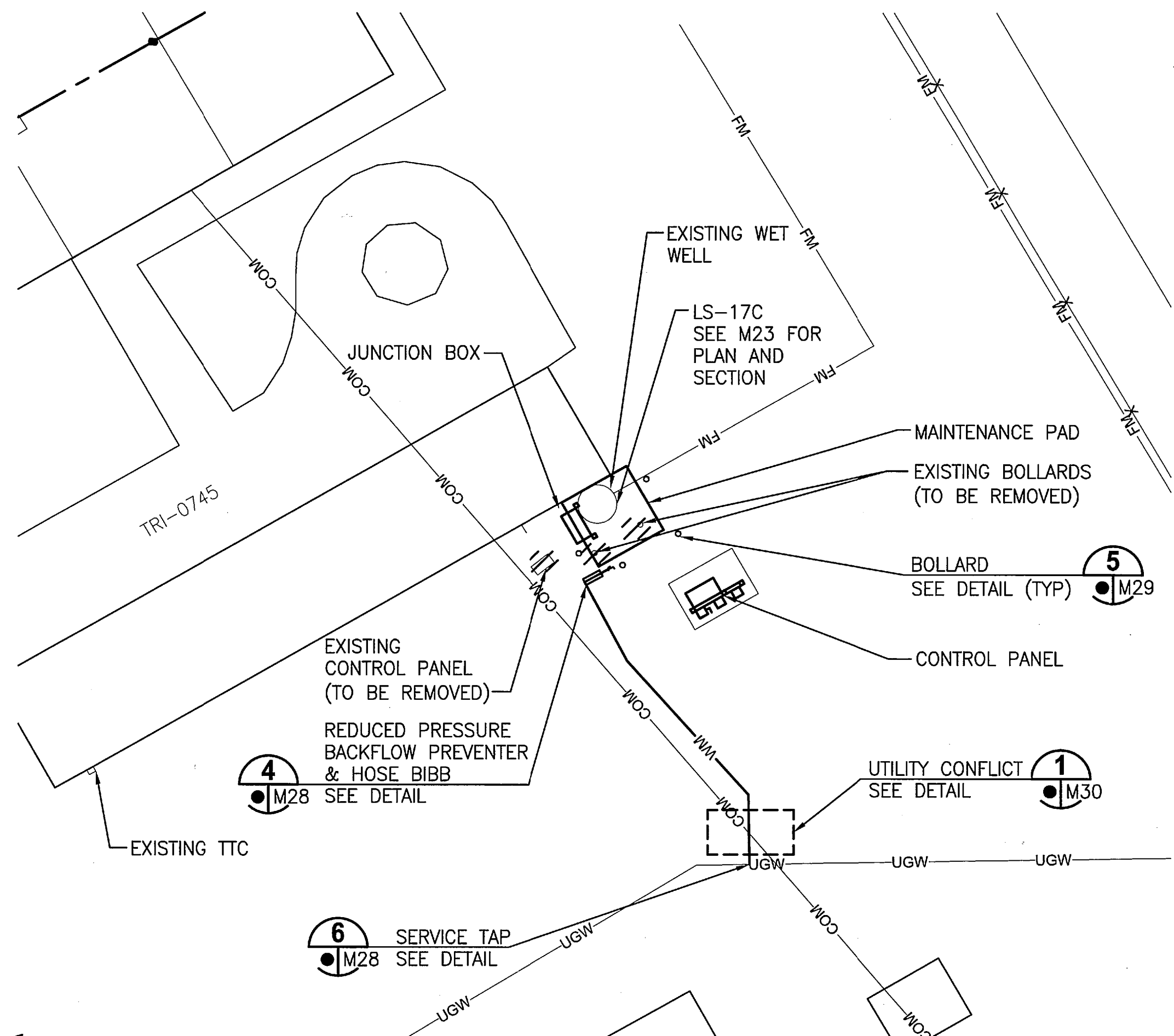
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SIGNATURES	DATE	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA	
DRAWN C. O'LEARY	10/31/11	REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS	
CHECKED M. CLARK	10/31/11	REHABILITATION LIFT STATIONS SITE PLANS	
SUBMITTED R. BEST	10/31/11	FILE NO.	
STATE OF FLORIDA LICENSE NO: 69875		SIZE DWG. NO.	
APPROVED K. MILLER	10/31/11	F 79K38877 VOL 2	
PROJ. NO. 96968.3		SHEET 31	

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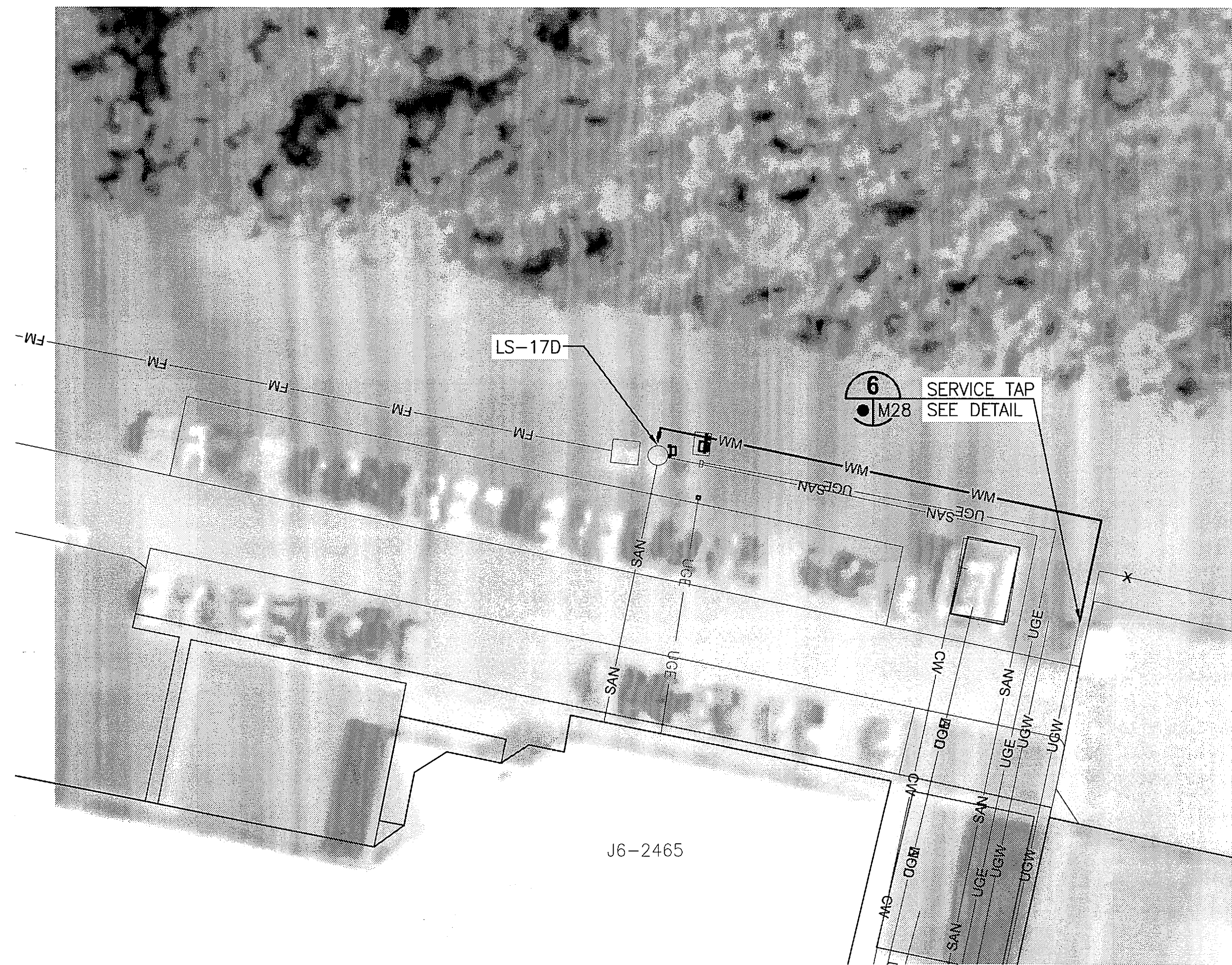
LIFT STATION 17C PLAN

1" = 30'



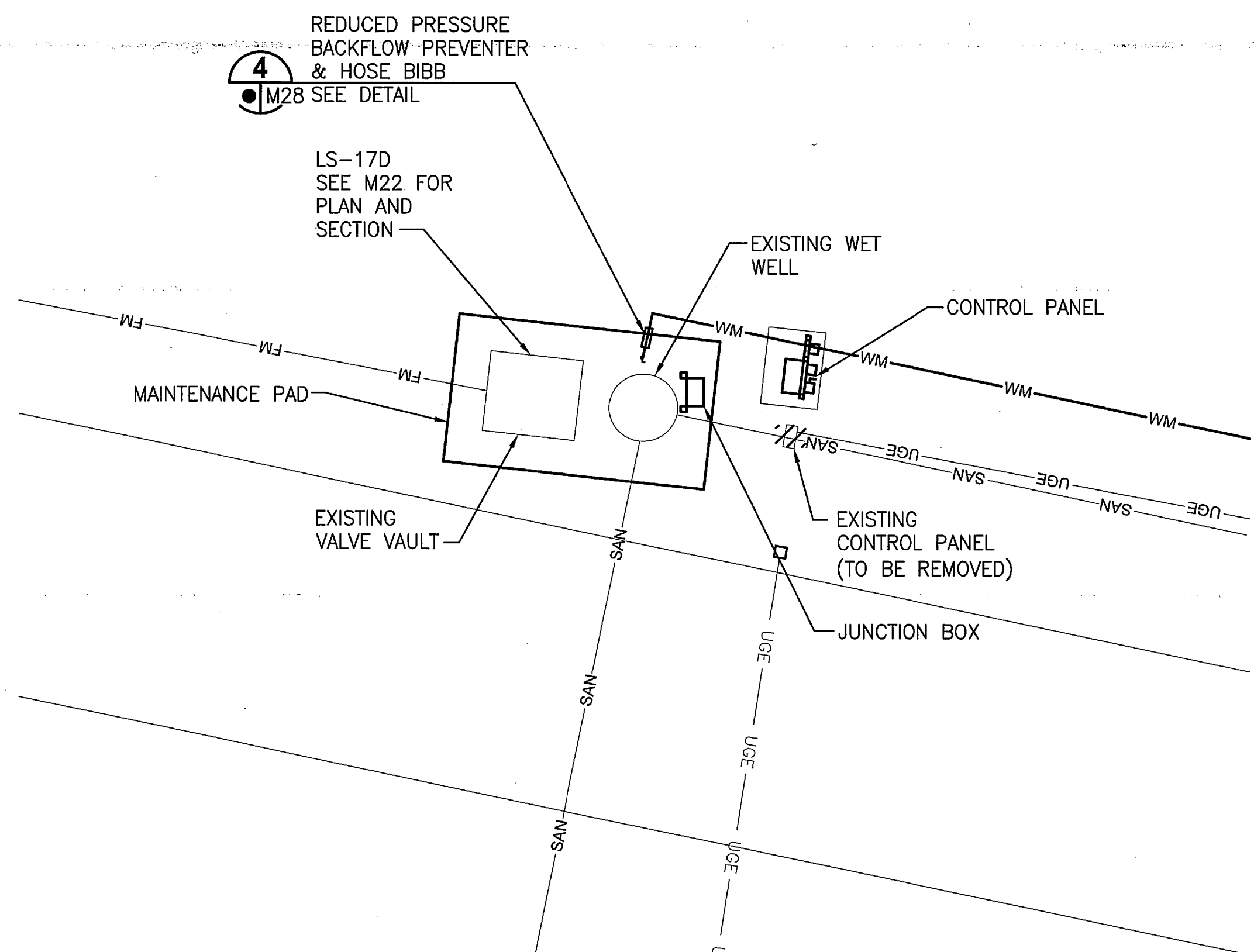
LIFT STATION 17C PLAN

1" = 10'



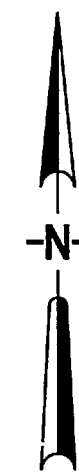
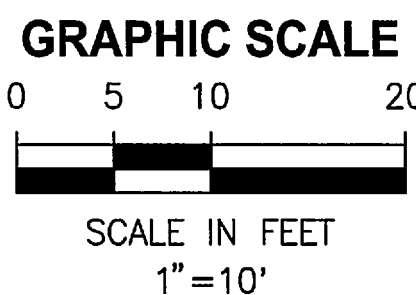
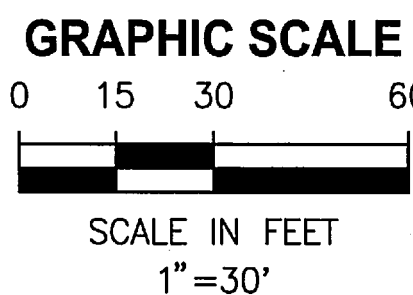
LIFT STATION 17D PLAN

1" = 30'



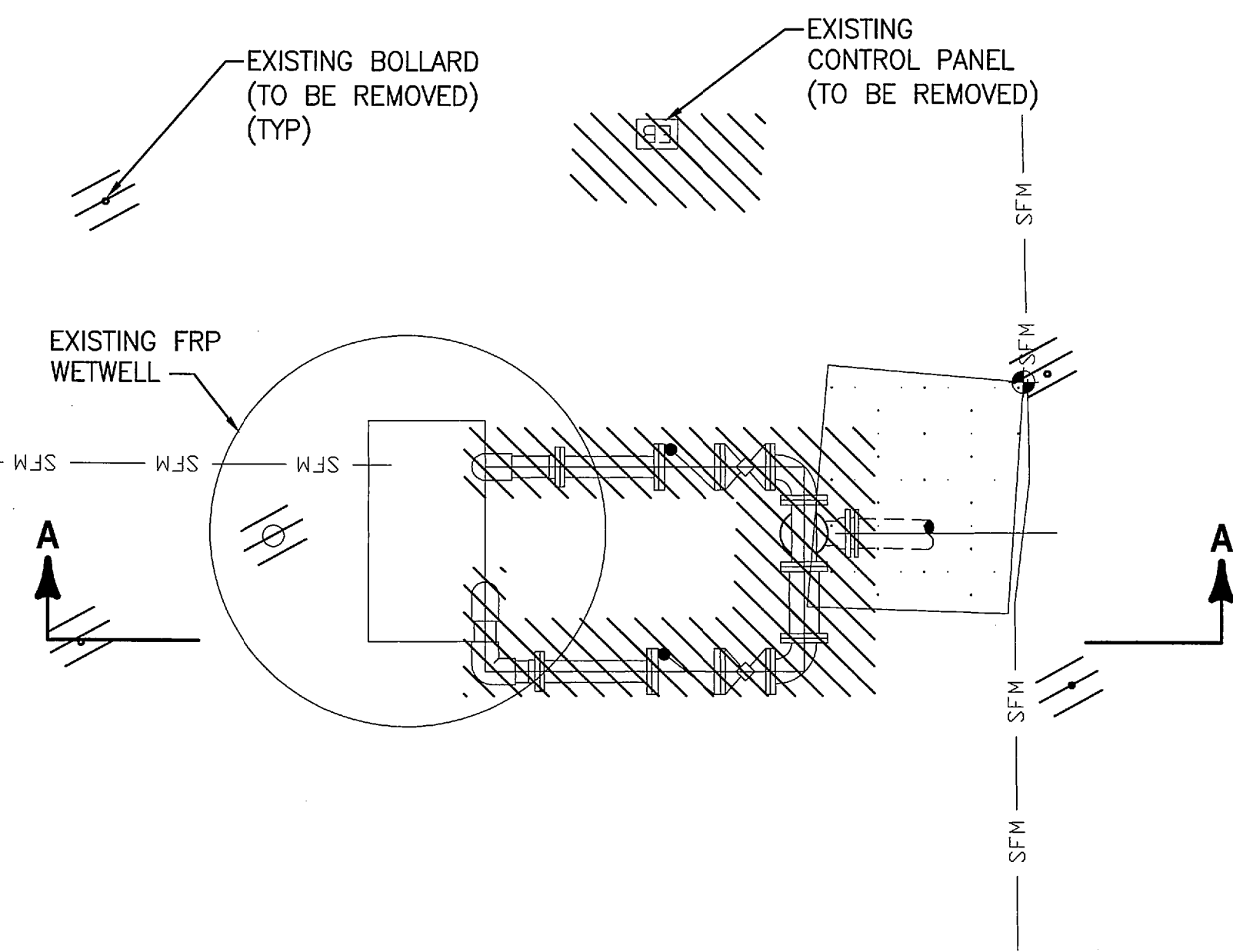
LIFT STATION 17D PLAN

1" = 10'

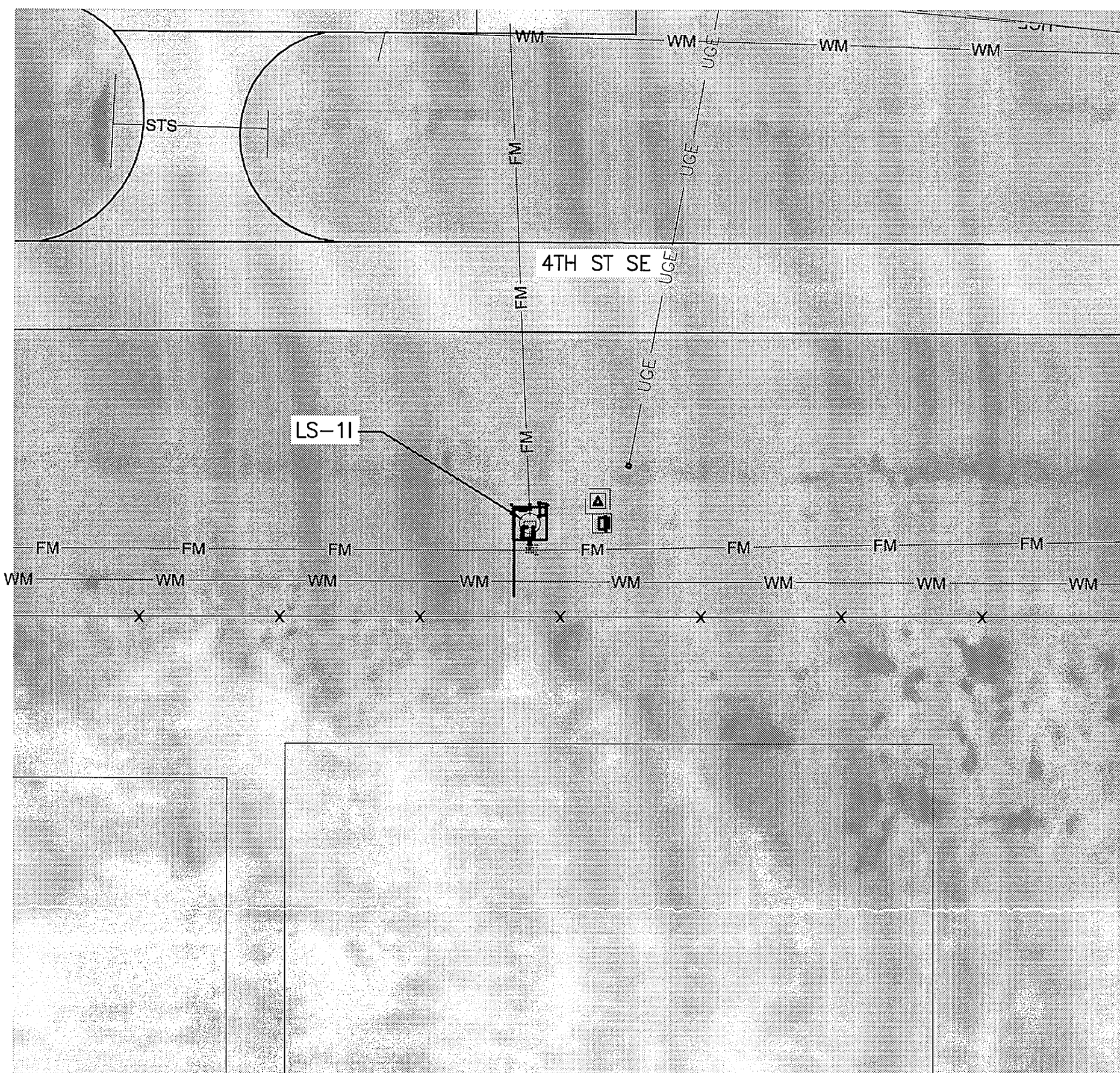


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SIGNATURES		DATE		NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA		
DRAWN G. O'LEARY		10/31/11		REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS		
CHECKED M. CLARK		10/31/11				
SUBMITTED R. BEST		10/31/11				
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APPROVED M. CLARK		10/31/11		REHABILITATION LIFT STATIONS SITE PLANS		
K. MILLER						
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		PROJ. NO. 96968.3		SHEET 32		

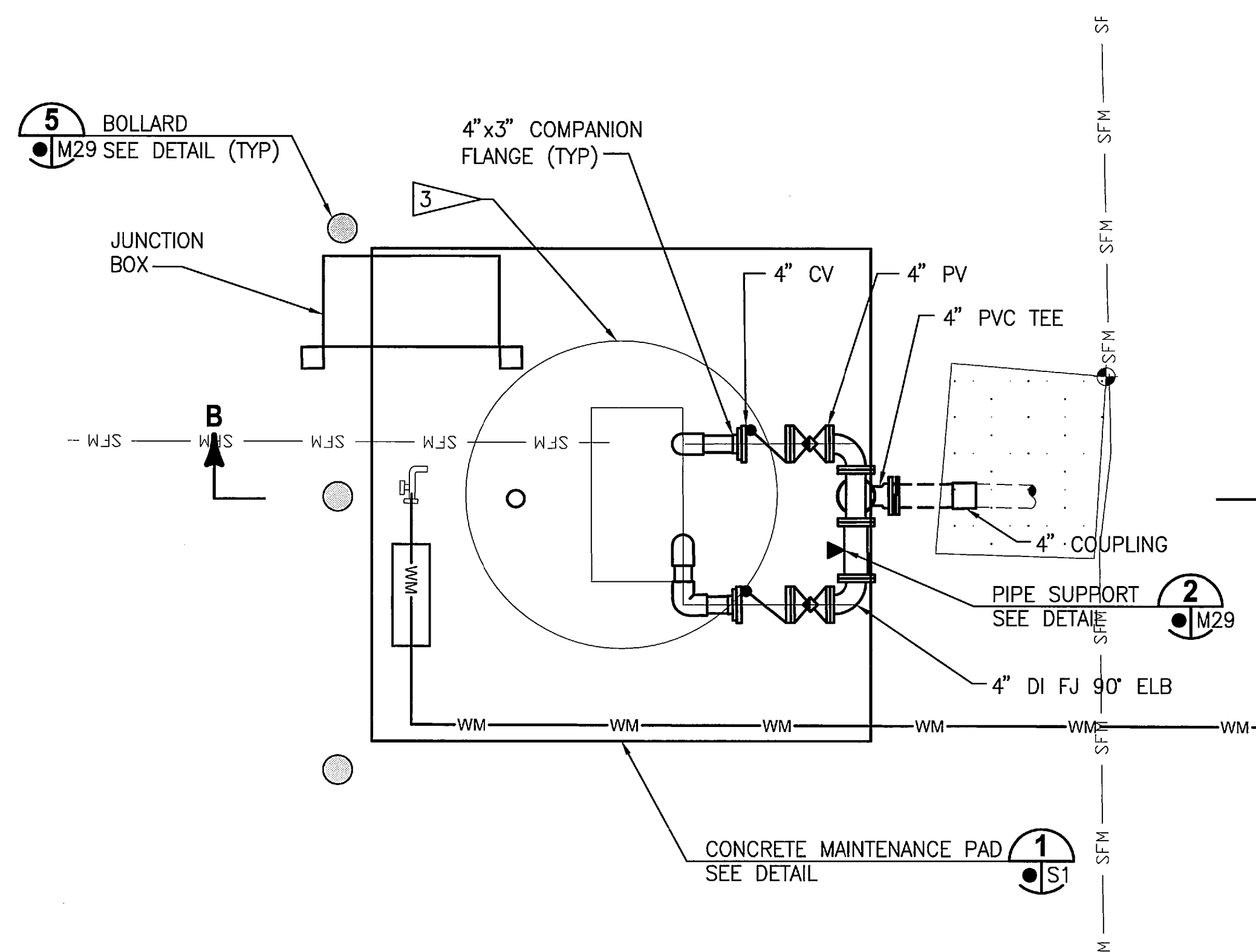
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PLAN



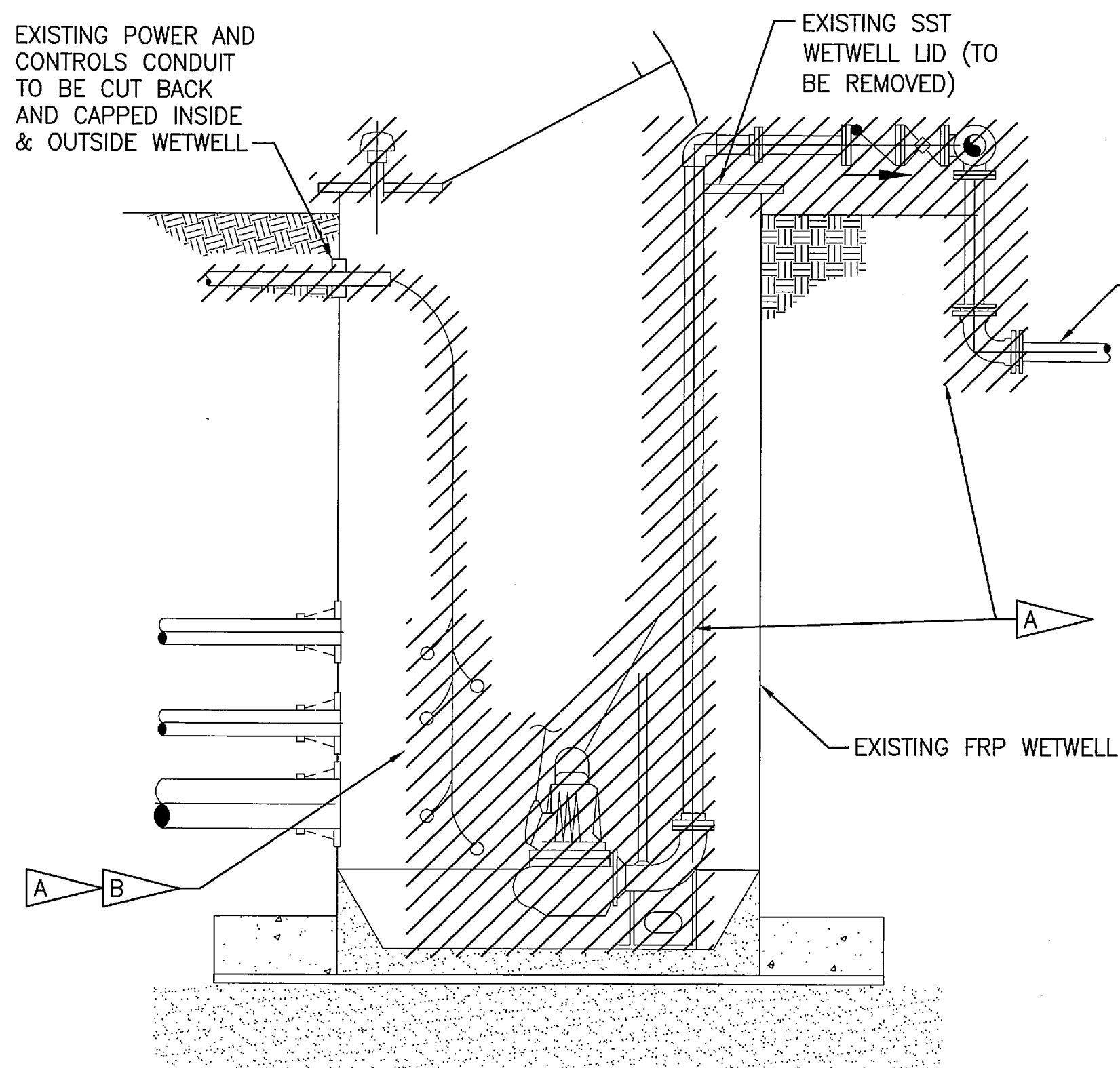
LIFT STATION 1I AREA PLAN



PLAN

PUMP STATION NOTES:

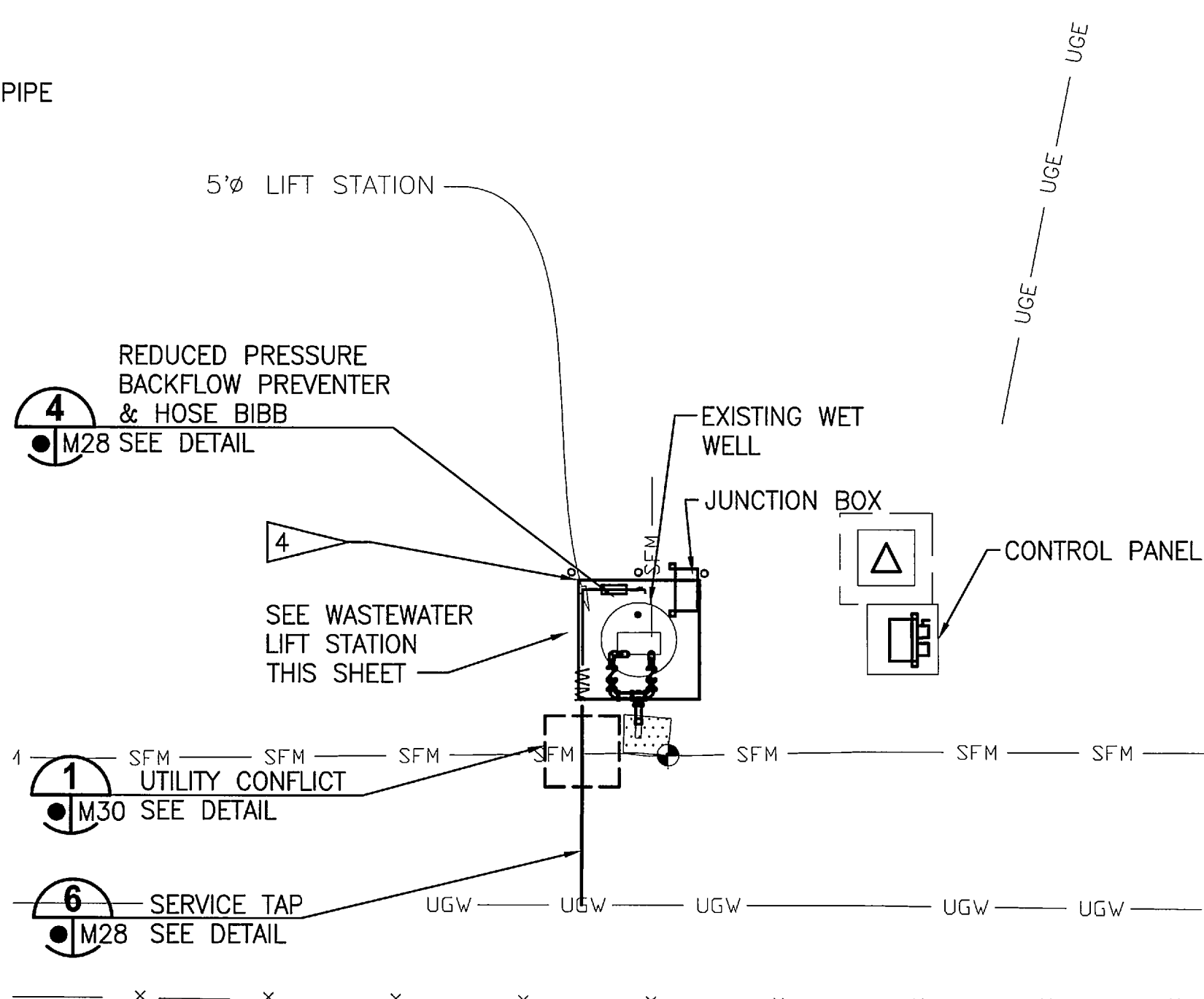
- A. REMOVE AND DISPOSE OF ALL PIPING, EQUIPMENT, FLOATS, CABLES IN THE WETWELL AND PUMP DISCHARGE PIPING OUTSIDE OF THE WETWELL.
- B. REMOVE AND DISPOSE OF ALL LIQUIDS AND SOLIDS IN EXISTING WETWELL.
- C. PUMP PLACEMENT SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- D. CONTRACTOR SHALL VERIFY PUMP MANUFACTURER'S REQUIREMENTS FOR OPENING FOR ACCESS COVER FRAME. CONTRACTOR SHALL VERIFY PUMP DIMENSIONS FOR OPENING CLEARANCE.
- E. ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL BE PAINTED PER SPECIFICATIONS.
- F. PROVIDE SPARK-PROOF CONTACT BETWEEN PUMPS AND GUIDE RAIL SYSTEM.
- G. SUSPEND FLOAT CABLES FROM 316 SS CABLE W/ EPOXY OR RUBBER COATED CAST IRON MUSHROOM ANCHOR OUT OF EFFLUENT FLOW PATH. USE SS CLAMPS TO AFFIX FLOATS SECURELY TO ANCHOR. LOOP 316 SS CABLE THROUGH HOLES IN MUSHROOM ANCHOR TO ENSURE ANCHOR STAYS ATTACHED TO CABLE. USE ALL 316 SS FITTINGS AND HARDWARE (EXCEPT ANCHOR) FOR ASSEMBLY. ASSEMBLY NEEDS TO BE REACHABLE AND REMOVABLE FROM ACCESS COVER DOOR.
- H. EACH ELECTRIC PUMP CABLE SHALL BE SUPPORTED FROM A SS CABLE RACK VIA A SS KELLUMS CABLE GRIP (OR APPROVED EQUAL).
- I. SEE LIFT STATION DATA TABLE ON M1 FOR WET WELL AND MAINTENANCE PAD DIMENSIONS.



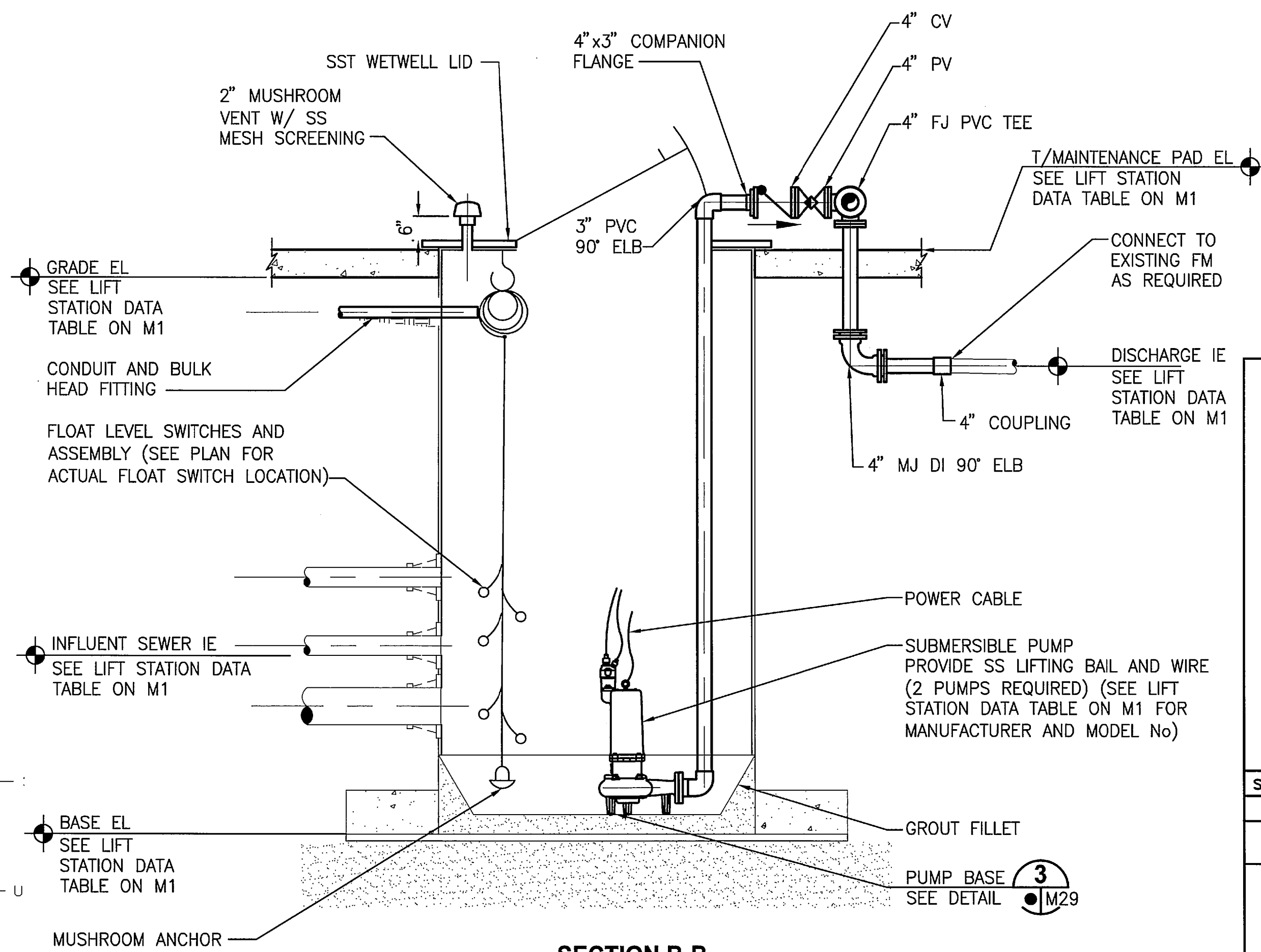
SECTION A-A

EXISTING WASTEWATER LIFT STATION 1I DETAIL

NTS



LIFT STATION 11 SITE PLAN



SECTION B-B

REHABILITATED WASTEWATER LIFT STATION 1I DETAIL

GRAPHIC SCALE


0 5 10 20

SCALE IN FEET

1"=10'


GRAPHIC SCALE

0 15 30 60

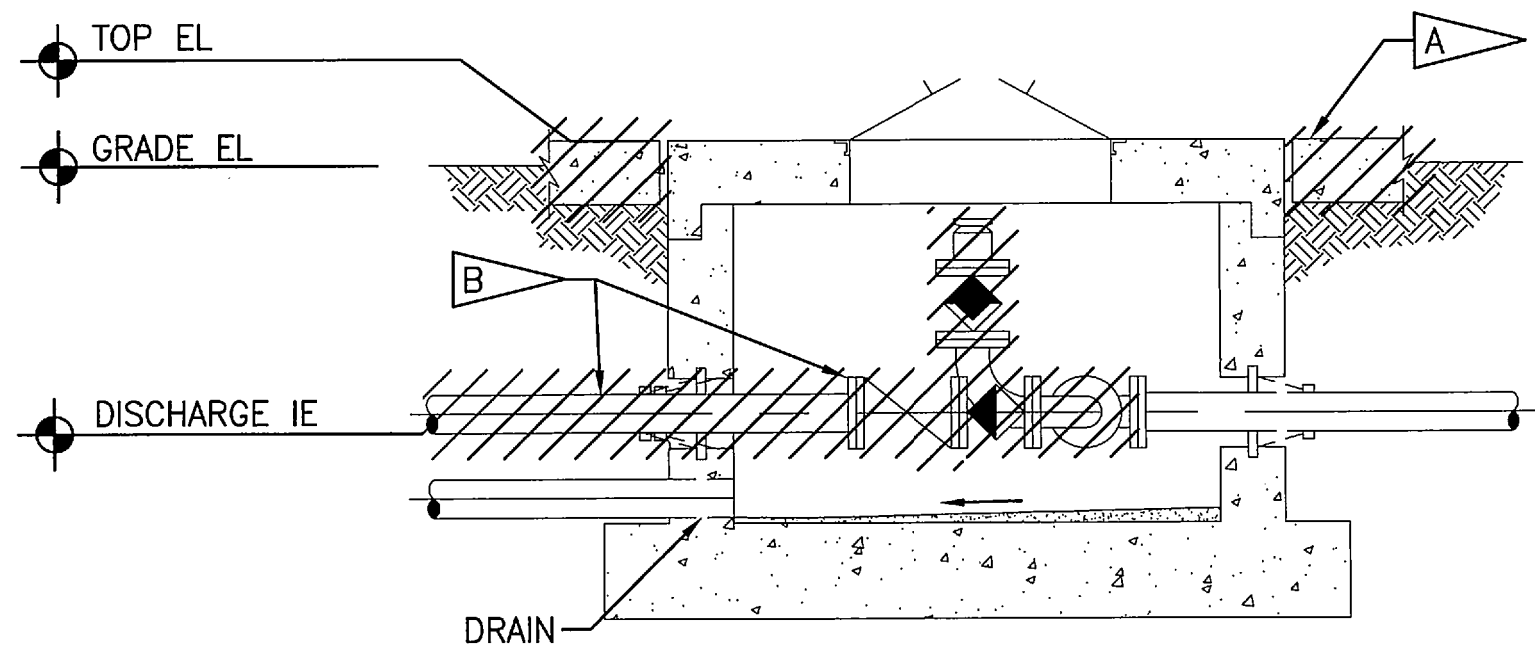


SCALE IN FEET

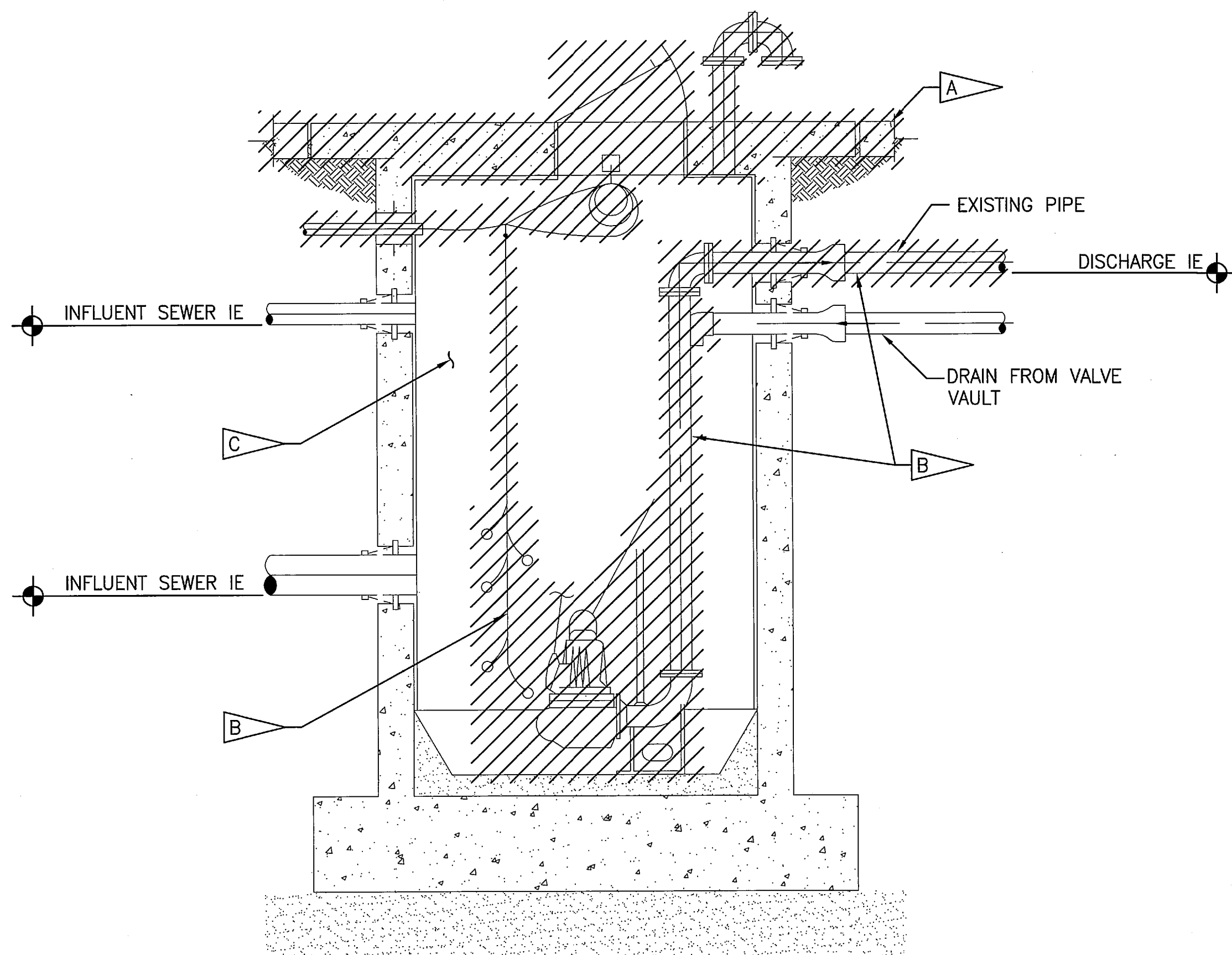
1"=30'

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SIGNATURES		DATE	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS LIFT STATION 1I PLAN AND DETAILS
DRAWN G. O'LEARY	12/05/11		
CHECKED M. CLARK	12/05/11		
SUBMITTED <i>[Signature]</i> R. BEST	12/05/11		
ST OF LICENSURE: FL LICENSE NO: 69875			
APPROVED <i>[Signature]</i> M. CLARK	12/05/11		
K. MILLER	12/5/11		
FILE NO.	SIZE F	DWG. NO. 79K38877 VOL 2	REV A
PROJ. NO. 96968.3		SHEET 33	

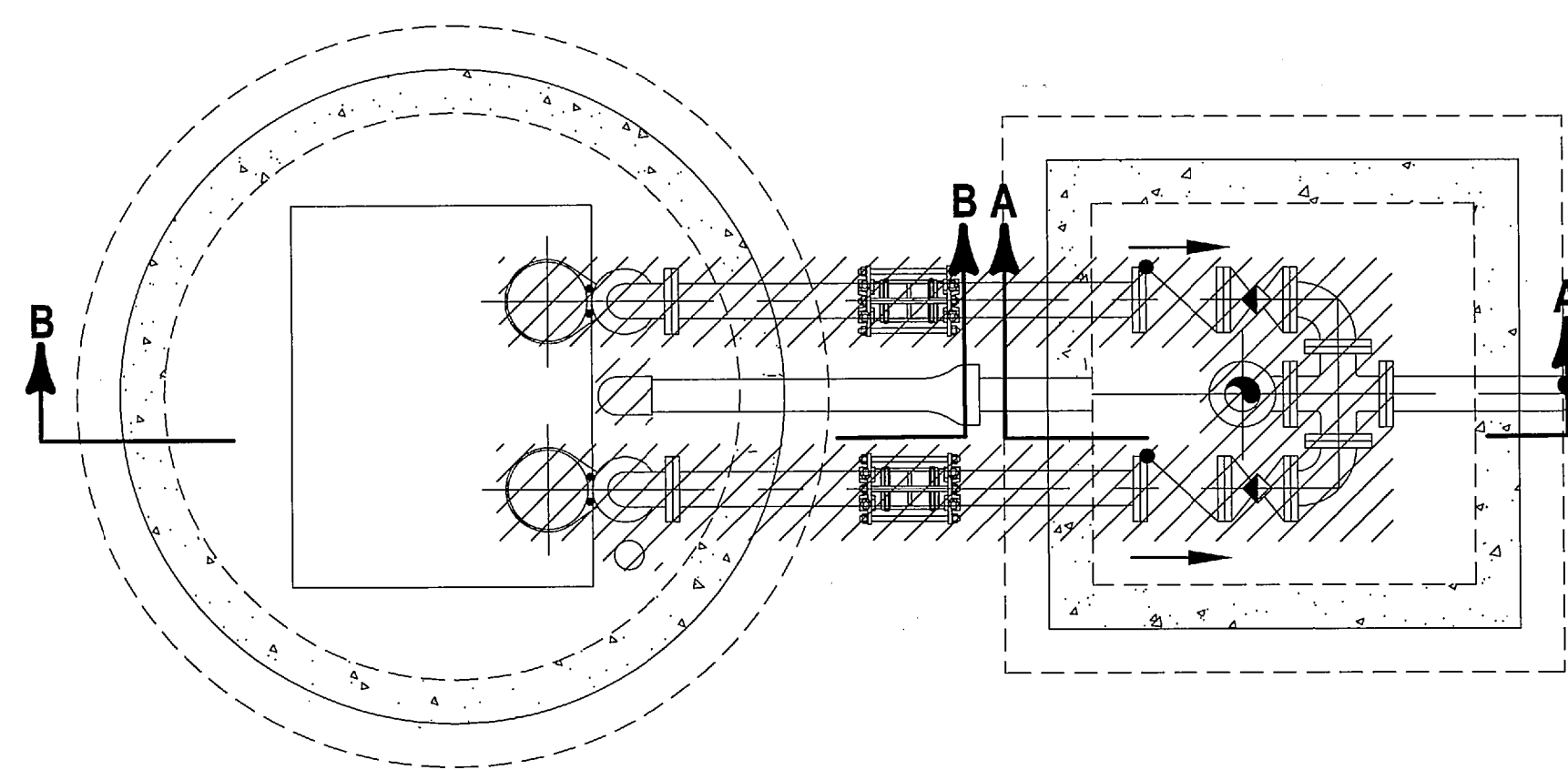
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SECTION A-A



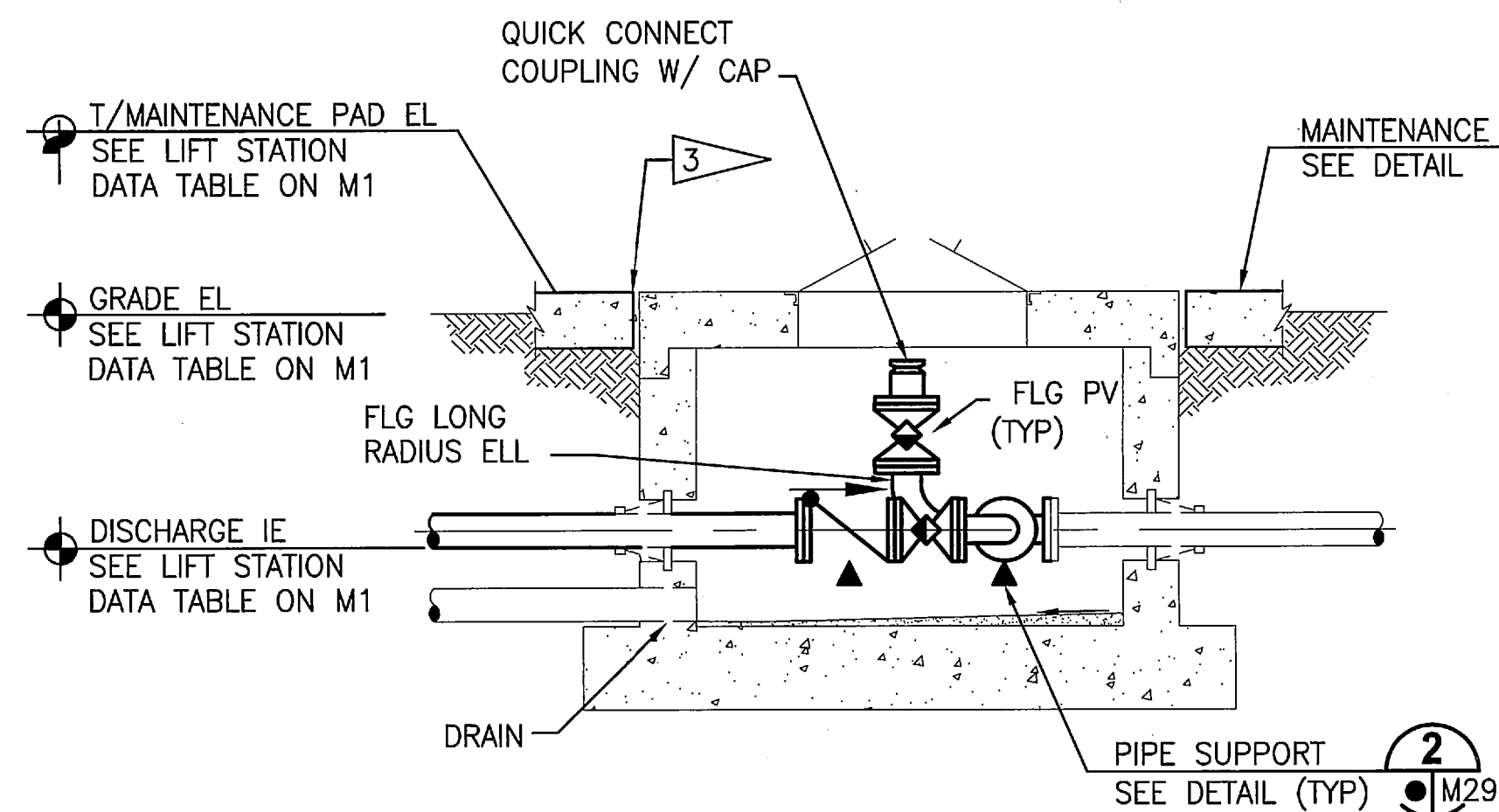
SECTION B-B



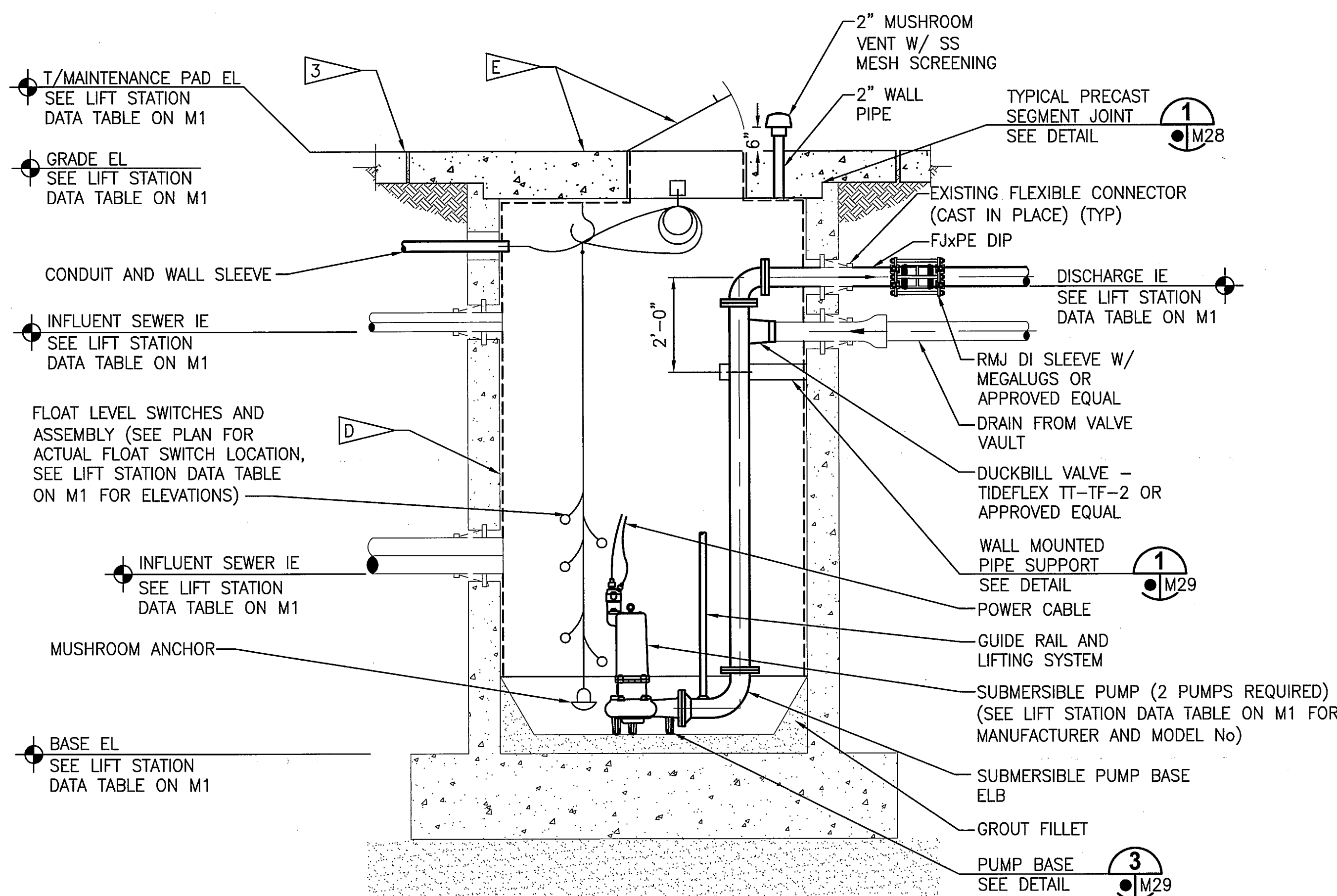
PLAN

EXISTING WASTEWATER LIFT STATION DETAIL

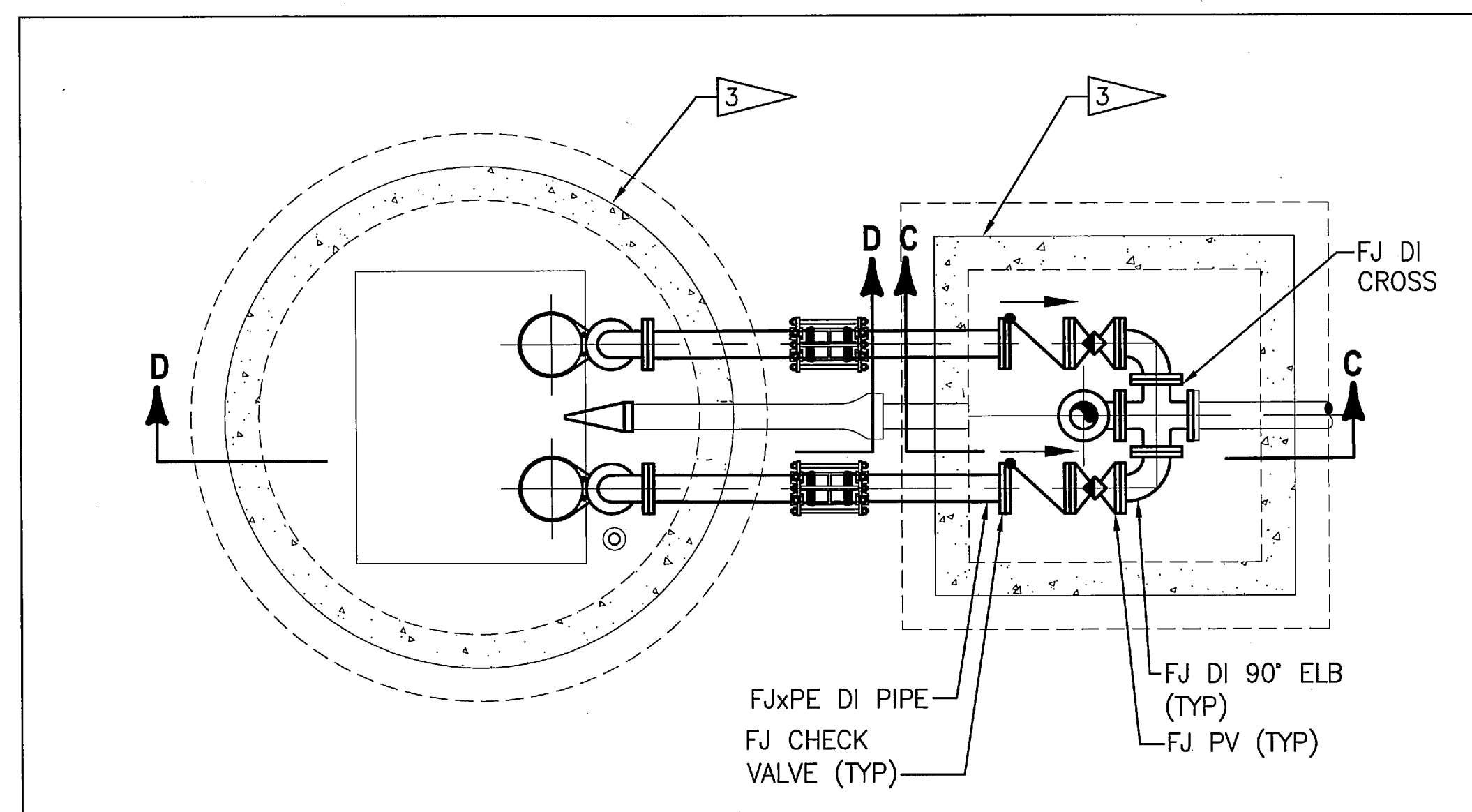
NTS



SECTION C-C



SECTION D-D



PLAN

REHABILITATED WASTEWATER LIFT STATION DETAIL

NTS

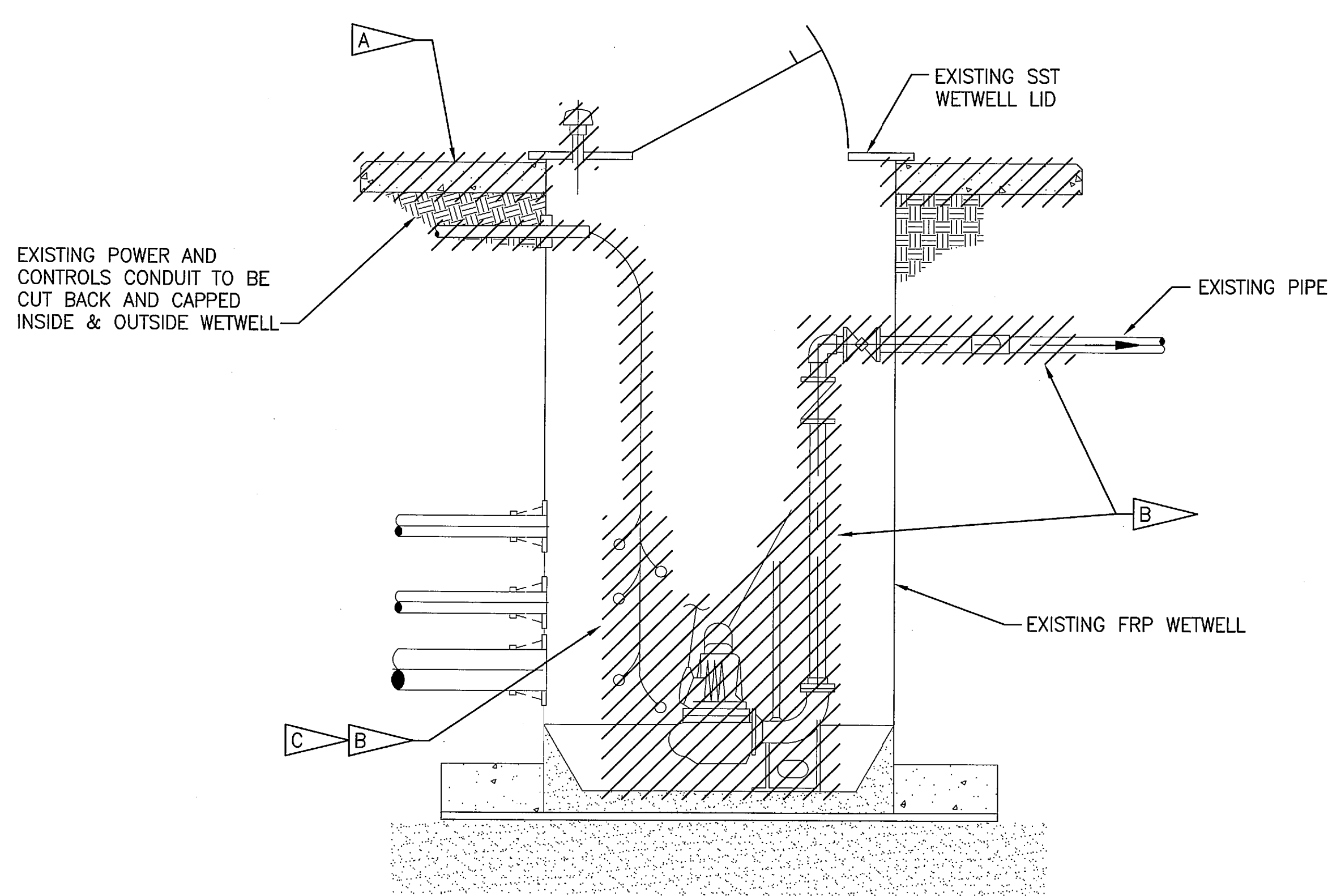
PUMP STATION NOTES:

- REMOVE AND DISPOSE OF EXISTING PRECAST WETWELL LID AND EXISTING MAINTENANCE PAD.
- REMOVE AND DISPOSE OF ALL PIPING, EQUIPMENT, FLOATS, CABLES IN THE WETWELL; INDICATED PIPING VALVES, AND PIPE SUPPORTS IN THE VALVE VAULT; AND PUMP DISCHARGE PIPING BETWEEN WETWELL AND VALVE VAULT.
- REMOVE AND DISPOSE OF ALL LIQUIDS AND SOLIDS IN EXISTING WETWELL.
- CLEAN INSIDE WETWELL AND LID AND INSTALL PROTECTIVE LINER PER SPECIFICATION SECTION 09 97 24
- PROVIDE AND INSTALL PRECAST REPLACEMENT WETWELL LID. ACCESS HATCH OPENING SHALL BE SIZED AND LOCATED AS RECOMMENDED BY THE PUMP MANUFACTURER. CONTRACTOR SHALL VERIFY PUMP MANUFACTURER'S REQUIREMENTS FOR OPENING FOR ACCESS COVER FRAME. CONTRACTOR SHALL VERIFY PUMP DIMENSIONS FOR OPENING CLEARANCE.
- NO MAINTENANCE PAD IS REQUIRED FOR LS-4F, LS-4L, AND LS-1N.
- PUMP PLACEMENT SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL BE PAINTED PER SPECIFICATIONS.
- PROVIDE SPARK-PROOF CONTACT BETWEEN PUMPS AND GUIDE RAIL SYSTEM.
- SUSPEND FLOAT CABLES FROM 316 SS CABLE W/ EPOXY OR RUBBER COATED CAST IRON MUSHROOM ANCHOR OUT OF INFLUENT FLOW PATH. USE SS CLAMPS TO AFFIX FLOATS SECURELY TO ANCHOR. LOOP 316 SS CABLE THROUGH HOLES IN MUSHROOM ANCHOR TO ENSURE ANCHOR STAYS ATTACHED TO CABLE. USE ALL 316 SS FITTINGS AND HARDWARE (EXCEPT ANCHOR) FOR ASSEMBLY. ASSEMBLY NEEDS TO BE REACHABLE AND REMOVABLE FROM ACCESS COVER DOOR.
- EACH ELECTRIC PUMP CABLE SHALL BE SUPPORTED FROM A SS CABLE RACK VIA A SS KELLUMS CABLE GRIP (OR APPROVED EQUAL).
- SEE LIFT STATION DATA TABLE ON M1 FOR WET WELL, VALVE VAULT AND MAINTENANCE PAD DIMENSIONS.

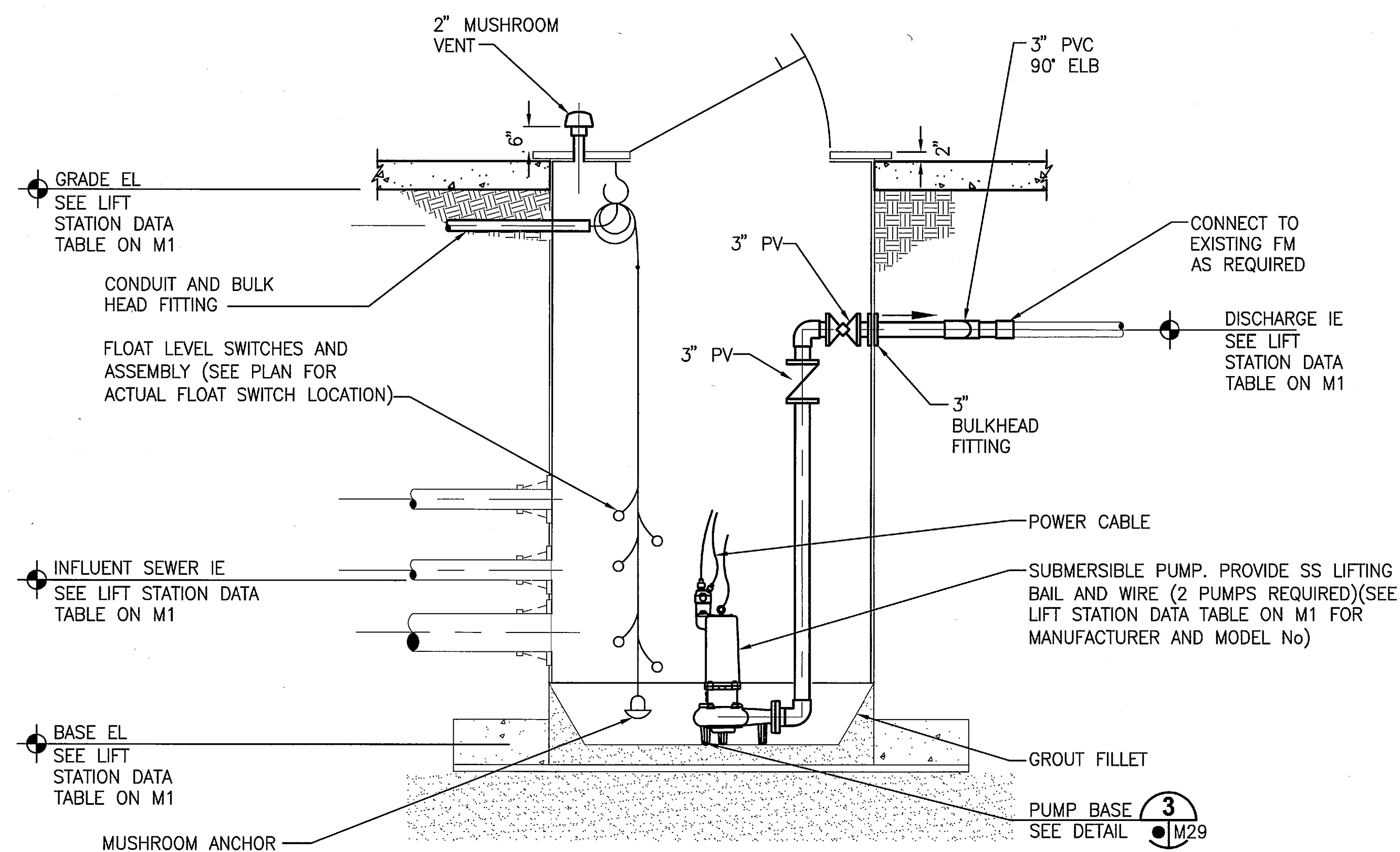
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA			
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS			
REHABILITATE LIFT STATION DETAILS			
SIGNATURES		DATE	
DRAWN G. O'LEARY		10/31/11	
CHECKED M. CLARK		10/31/11	
SUBMITTED R. BEST		10/31/11	
ST of LICENSURE: FL LICENSE NO: 69875			
APPROVED M. CLARK		10/31/11	
K. MILLER		11/1/11	
FILE NO.		SIZE	
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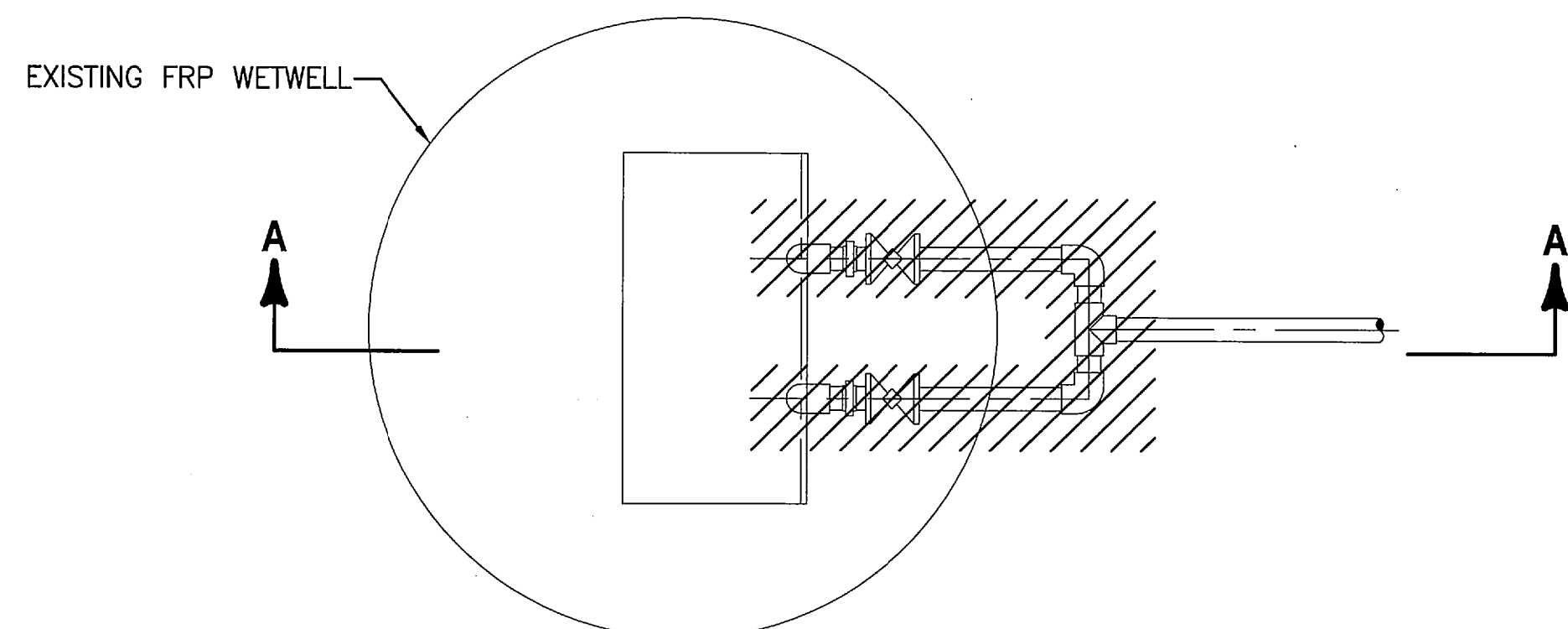
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SECTION A-A



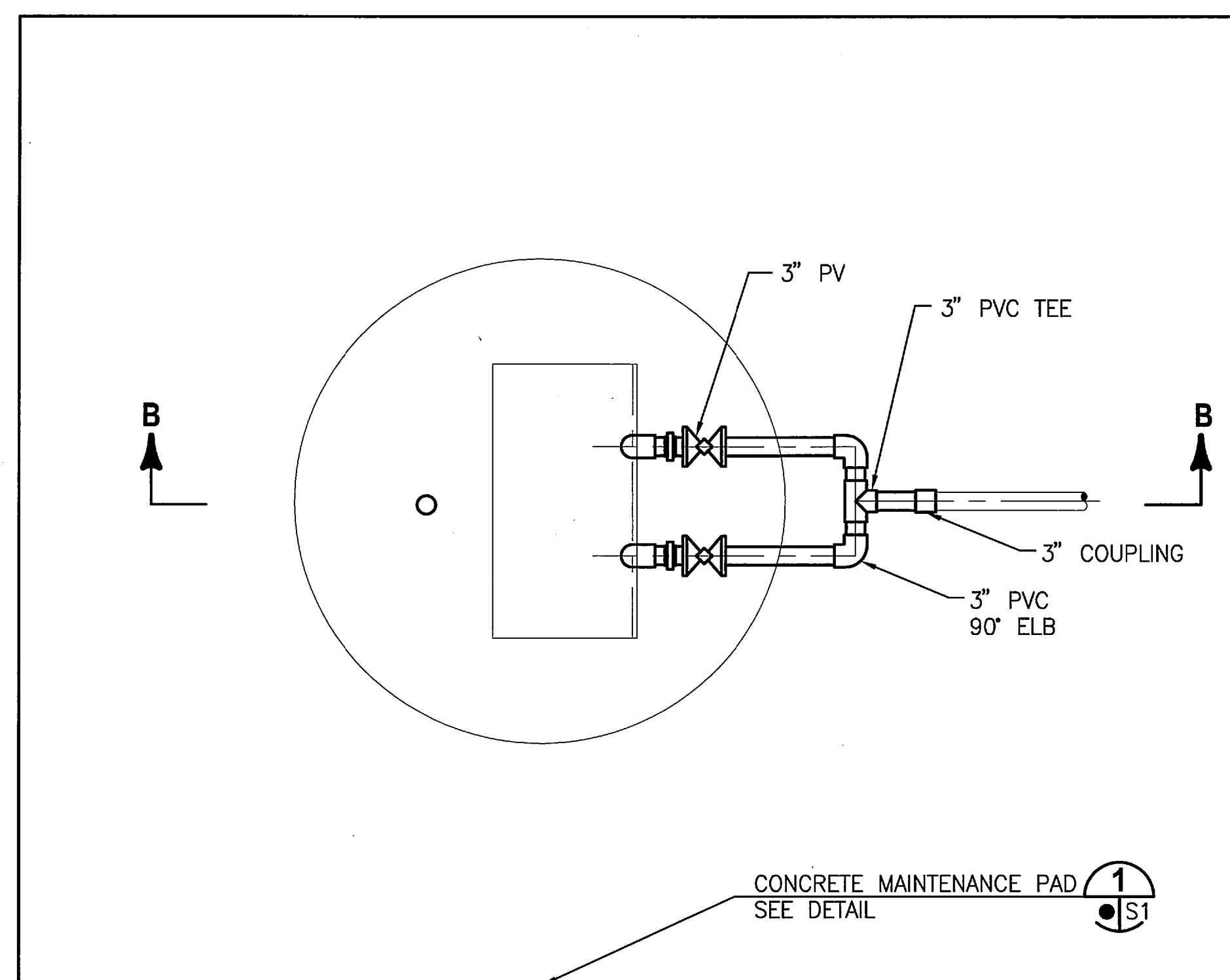
SECTION B-B



PLAN

EXISTING FIBERGLASS WASTEWATER LIFT STATION DETAIL

NTS



PLAN

REHABILITATED FIBERGLASS WASTEWATER LIFT STATION DETAIL

NTS

PUMP STATION NOTES:

- REMOVE AND DISPOSE OF EXISTING MAINTENANCE PAD, WHERE APPLICABLE.
- REMOVE AND DISPOSE OF ALL PIPING, EQUIPMENT, FLOATS, CABLES IN THE WETWELL AND PUMP DISCHARGE PIPING OUTSIDE OF THE WETWELL.
- REMOVE AND DISPOSE OF ALL LIQUIDS AND SOLIDS IN EXISTING WETWELL.
- PUMP PLACEMENT SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL VERIFY PUMP MANUFACTURER'S REQUIREMENTS FOR OPENING FOR ACCESS COVER FRAME. CONTRACTOR SHALL VERIFY PUMP DIMENSIONS FOR OPENING CLEARANCE.
- ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL BE PAINTED PER SPECIFICATIONS.
- PROVIDE SPARK-PROOF CONTACT BETWEEN PUMPS AND GUIDE RAIL SYSTEM.
- SUSPEND FLOAT CABLES FROM 316 SS CABLE W/ EPOXY OR RUBBER COATED CAST IRON MUSHROOM ANCHOR OUT OF INFLUENT FLOW PATH. USE SS CLAMPS TO AFFIX FLOATS SECURELY TO ANCHOR. LOOP 316 SS CABLE THROUGH HOLES IN MUSHROOM ANCHOR TO ENSURE ANCHOR STAYS ATTACHED TO CABLE. USE ALL 316 SS FITTINGS AND HARDWARE (EXCEPT ANCHOR) FOR ASSEMBLY. ASSEMBLY NEEDS TO BE REACHABLE AND REMOVABLE FROM ACCESS COVER DOOR.
- EACH ELECTRIC PUMP CABLE SHALL BE SUPPORTED FROM A SS CABLE RACK VIA A SS KELLUMS CABLE GRIP (OR APPROVED EQUAL).
- SEE LIFT STATION DATA TABLE ON M1 FOR WET WELL AND MAINTENANCE PAD DIMENSIONS.

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REVISIONS			
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SIGNATURES	DATE	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA	
DRAWN G. O'LEARY	10/31/11	REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 2 OF 5 LIFT STATIONS	
CHECKED M. CLARK	10/31/11	REHABILITATE LIFT STATION DETAILS	
SUBMITTED R. BESI	10/31/11	FILE NO.	
ST of LICENSURE: FL LICENSE NO: 69875		SIZE DWG. NO.	
APPROVED M. CLARK	10/31/11	F 79K38877 VOL 2	
K. MILLER	11/1/11	REV A	
M23		PROJ. NO. 96968.3	
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